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o. 2184 DECEMBER 3, 1921. VOL. XCV.

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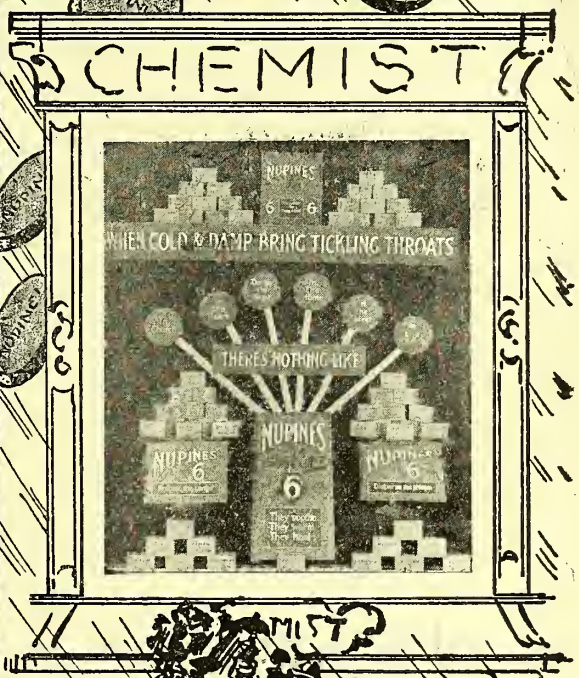

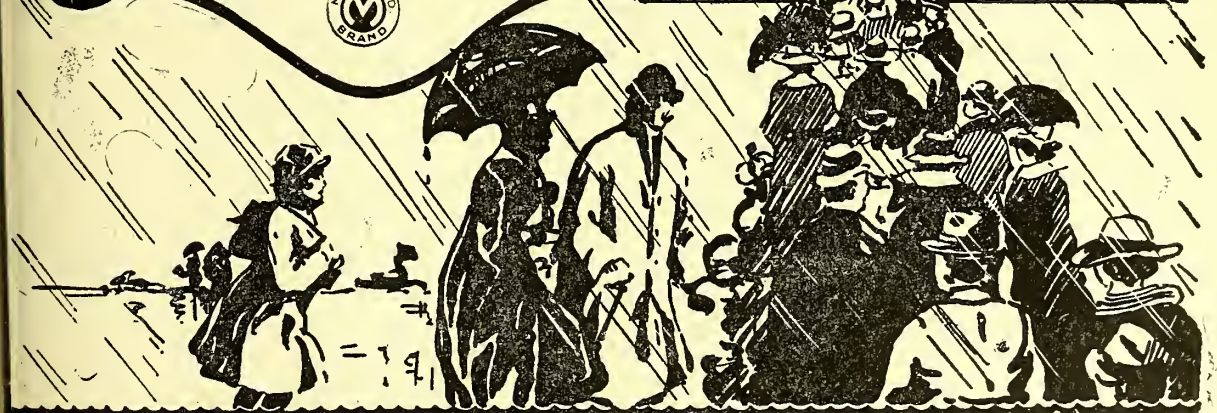

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Maw's Page

Dec. 3, 1921 No. 529

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Doubtless you are aiming at record business for Christmas 1921. Do you go a step further? Are you planning to make regular customers through your Christmas Business, and thus to secure a steady flow of increased business throughout the year 1922?

"Parex" Manicure Methods will help you to achieve both these objects. The quality, utility, and attractive presentation of these lines, combined with their suitability as Christmas Gifts, will enable you to secure record business this Christmas.

The facts that "Parex" quality always produces repeat orders, and that "Parex" Manicure Methods are only supplied to chemists, make it equally certain that your Christmas business will bring in its train a lasting, regular increase, and that this increase will come to you and not to outside competitors.

The word "Parex" is the chemist's safeguard. "Parex" Manicure Methods are the chemist's own lines. We definitely refuse to supply them to anybody but chemists. Make this Christmas the chemist's Christmas by using all your efforts to push sales of

"Parex" Manicure Methods

"Parex" is the chemist's protection. It helps him to resist outside competition.

Telephone: City 7 Private Branch Exchange

Telegrams: Eleven Cent London

S. Maw, Son & Sons. Ltd.,
Aldersgate St., London,
and Barnet.

Cables: Eleven London

Code A.B.C. 4th & 5th Edition

Cables and Marconigrams: "ALLUWANT LONDON."
Telegraphic Address: "POMADE, SMITH, LONDON." Telephone: CITY 4061, 4062, 4063.

BUTLER & CRISPE

J. H. CRISPE L. H. CRISPE R. P. GOWER

English and Foreign Proprietary Medicines, Perfumery, Toilet Goods, Druggists' Sundries

IMPORTERS
EXPORTERS
& DISTRIBUTORS

80-82 Clerkenwell Road, London, E.C.1.

BANDAGES. Open Wove N.H.I.

	3 yards × 1 in.	4 yards × 1½ in.	2 in.	2½ in.	3 in.	4 in.
White	6/6	14/-	18/-	22/6	26/6	35/-
Grey	5/-	11/-	15/6	17/6	21/-	28/- gross net.

Each Bandage individually wrapped and labelled except the 1-inch, which are papered only.

BORIC LINT.

Packets -	1 oz.	2 oz.	4 oz.	8 oz.	1 lb.
Per lb.	2/6	2/4	2/2	2/-	1/10

28 lb., 1d. lb. less; 1 cwt., 1½d. lb. less.

COTTON WOOL. White Absorbent, Interleaved.

Packets -	1 oz.	2 oz.	4 oz.	8 oz.	1 lb.
Per lb.	2/-	1/9	1/7	1/5	1/3

14 lb., 1d. lb. less; 56 lb., 1½d. lb. less.

LINT.

Packets -	1 oz.	2 oz.	4 oz.	8 oz.	1 lb.
Per lb.	3/3	3/1	2/11	2/9	2/7

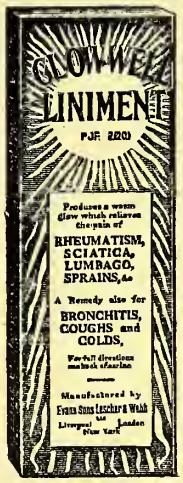
14 lb., 1d. lb. less: 56 lb., 1½ lb. less.

We have also the most complete stock of Proprietary Goods in the Trade.

GLOW-WELL LINIMENT

WINDOW DISPLAY BONUS

PROFIT ON COST 70%



FOR an order of **6 dozen** and a guaranteed Window Display of a fortnight's duration *we offer:—*

1. A Bonus of half-dozen.

2. A Window Display consisting of three lithographed Window Bills, two Showcards, one Giant Dummy, six Dummy Cartons, and sufficient purple Crepe Paper for background.

3. A profit of 62·5% on cost

For an order of **9 dozen** *we offer:—*

Nos. 1 and 2 (mentioned above) and in addition:

3. A discount of 5% which is allowed off all £5 orders.

4. A profit of 70% on cost.

P.A.T.A. Retail **1/6**
Wholesale **12/-** doz. nett

Evans Sons Lescher & Webb Ltd.

Liverpool New York London

GET THEM ALL FROM

Sangers

—the "bread & butter" lines, and also the

Christmas Goods

Our Special List of Lines suitable for Christmas trade is now ready, and includes

PERFUMES
PERFUME SPRAYS
DRESSING CASES
MANICURE CASES
HAIR BRUSHES
CUTLERY
SAFETY RAZORS, etc.

Send for a copy to

258 EUSTON ROAD, LONDON, N.W.1.

AYRTON'S WEEKLY

PAGE 15

No more broken Boxes!

AYRTON'S FLANGED BOXES—Shouldered.

(Provisional Patent No. 28027)

Profit-saving and economical. They cannot break, the body and lid being pressed out of one piece instead of being composed of a disc and an annular wall bound together as in existing styles, in which the tops and bottoms so often come to grief with subsequent loss of contents.

AYRTON'S FLANGED PILL BOXES.

Either purple with white edges, or white with purple edges. A beautifully finished box, made in two qualities, suitable for medium and high-class trade.

1st quality ... Nos.	1	2	3	4	5	6	7	8
Per gross ...	6/9	7/2	7/9	10/-	13/9	15/-	18/9	24/-
2nd quality— Per gross ...	5/6	6/-	6/3	9/9	10/6	12/-	15/-	18/-

AYRTON'S FLANGED PILL BOXES—All Blue.

Nos.	1	2	3	4
Per gross ...	4/6	5/-	5/6	7/-

AYRTON'S FLANGED OINTMENT BOXES.

Guaranteed absolutely greaseproof—they may be filled and stored for an indefinite period without a trace of grease permeating and disfiguring the label. They should be in every pharmacy—they save time, money and temper.

Sizes ...	2 dr.	3 dr.	½-oz.	1 oz.	2 oz.	Nested
Per gross	3/3	3/6	4/-	5/-	6/-	21/9

Rebate on the above boxes of 6d. per gross in quantities of 6 gross, and 1/- in quantities of 12 gross. For larger quantities special quotations.

For storing purposes they are packed in cardboard outers containing half a gross.

Ayrton's Flanged Ointment Boxes are made in a variety of styles for Toilet Powder, Face Powder, Lip Salve, etc.

Samples of any of the above boxes free on application.

WE SPECIALISE

in the manufacture of round and square boxes of every description. Any design of box specially made to your specification.

Please send us your requirements for special quotation.

AYRTON, SAUNDERS & CO. LTD

Manufacturing Chemists **Hanover Street, LIVERPOOL**

Telegrams: "SUNDRIES LIVERPOOL."

AN INVITATION

We Respectfully Invite you to

VISIT OUR SHOWROOMS

—where our—

LATEST PRODUCTIONS

for the

Xmas Season

may now be inspected.

ARTHUR BERTON, LTD.

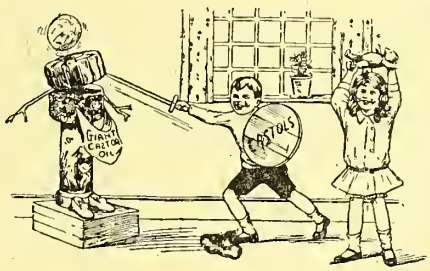
LONDON - 15-17 Worship Street, E.C. 2
GLASGOW - - - 11 Miller Street
MANCHESTER - 77 Lower Chatham Street

TELEPHONES—

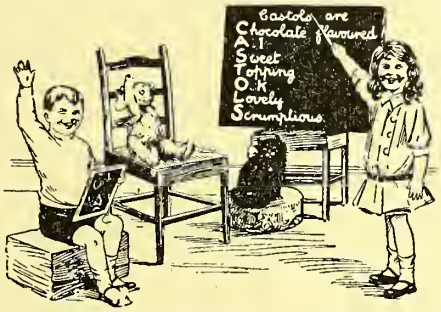
London:	Glasgow:	Manchester:
Clerkenwell	Central	Central
1347-8-9	4300	1011

These Pictures are borrowed from the Castol Press Advertising.

The Castol Kiddies play at "Soldiers."



The Castol Kiddies play at "Giant-Killer."



The Castol Kiddies play at "School."

The Castol Kiddies play at "Judge."

The Castol Kiddies

are always busy making sales for

(NO MORE CASTOR OIL)

Castols

(NICE AS CHOCOLATE)

Are you getting your share?

1½d. Size 12/- gross. 9d. Tins 6/6 doz. 1/6 Tins 13/- doz.

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

COPYRIGHT

Use Good Bottles

U.G.B BRAND
USE GOOD BOTTLES

Good bottles are absolutely *essential* to Chemists, Druggists, and the Medical Profession generally. There are no inaccuracies in capacity or graduations in U.G.B. Bottles, which are of uniform contents and corkage, attractive in appearance. and of distinctive design.

The following assortment of U.G.B. Bottles are now in stock for immediate delivery:

4-oz. Medical Flats (Plain and Graduated)	½-oz. Heavy Cannons
6-oz. ,, ,,	1-oz. ,,
8-oz. ,, ,,	2½-oz. ¾-Panels
12-oz. ,, ,,	6-oz. ¾-Panels
5-oz. Medical Flats (Plain)	12-oz. ,,
1-oz. Medium Vials	3-oz. Blakes
	1¾-oz. Brilliantines (R.N.)

UNITED GLASS BOTTLE MANUFACTURERS, LTD.

Comprising Cannington, Shaw & Co., Ltd.; Nuttall & Co. (St. Helens), Ltd.; Robert Candlish & Son, Ltd.; Alfred Alexander & Co., Ltd.; E. Breffit & Co., Ltd.; United Glass Bottle Manufacturers (Charlton), Ltd.

Head Office—40/43 Norfolk St., STRAND, W.C. 2.

Telephone: Central 8080 (10 lines).
Telegrams: "Unglaboman, Estrand, London."

Works—Charlton, London; Castleford, Yorks; St. Helens, Lancs; Hunslet, Leeds, Seaham Harbour, Durham.

Good Business can be done in
BRUSSON JEUNE Gluten Bread.
15 Rolls in a Box. Keeps Fresh for Months.
By introducing it to Diabetic, Obesity, Gout and Rheumatic, etc., Patients.
Hospitals, Doctors and Nurses are interested to know of it.
Order through Wholesale House, or write
O. Wells, 1 Manor Road, Brockley, LONDON, S.E.4

Goose Skins for Powder Puffs

Goose Skins specially prepared for the making of Powder Puffs. For full particulars write to

COELHO, 11 rue Louis Philippe, Neuilly, Seine, France.

BOXES

For the Chemist, Druggist and Sundriesman.

Send your Sizes or Samples, and we will quote you by return. No order too small. No order too large. We *KNOW* your wants and will fit you.

J. DAVIDSON,
98 Shepherdess Walk, City Road, London, N.1.
Telephone North 3747.

GLASS BOTTLES

A LARGE number of my friends already know that I have made the supply of BOTTLES and JARS for the Chemist, Druggist and Sundries Trades a speciality for a period of 20 years or more, consequently I feel certain that no other House can offer better facilities as regards either quality, price, or delivery.

If it should happen that I am not already doing business with your good selves your enquiries will receive prompt and careful attention.

At the moment we have in stock such lines as Medical Flats, Panels, Vials, Kalis, Limes, Mexicans, etc. etc.

TOM LAYCOCK & CO.
(Tom Laycock, Proprietor)
HOLBECK LANE - - LEEDS.

CGCo Ltd TRADE MARK

"ZUDOR" JACKETS

For Chest Colds, Bronchitis and Pneumonia, or as a Chest Protector.

Prices :—

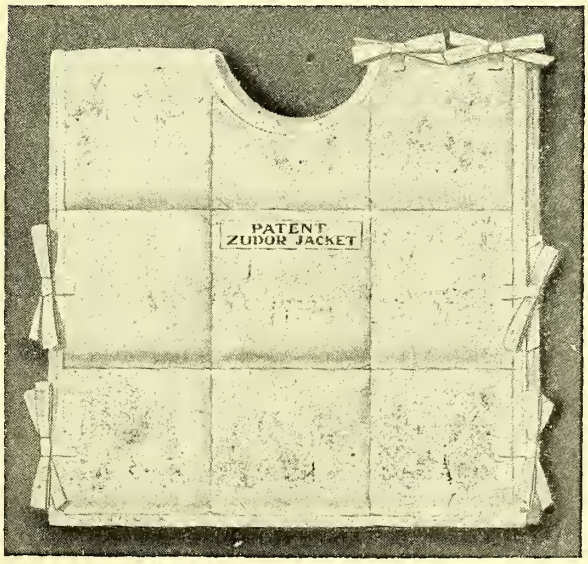
No.	Across Chest.	Shoulder to waist.	Cotton Wool per doz.	Retail each.
1.	8 in.	6 in.	7/-	1/-
2.	10 in.	8 in.	10/6	1/6
3.	12 in.	10 in.	14/-	2/-
4.	15 in.	12 in.	18/-	2/6
5.	19 in.	13 in.	24/-	3/3
6.	21 in.	15 in.	30/-	4/6

In six sizes.

Any special size made to order.

With orders for six dozen a bonus of three of size 2 and three of size 3 is given, and with orders for one gross six of size 2 and six of size 3, together with appropriate show matter.

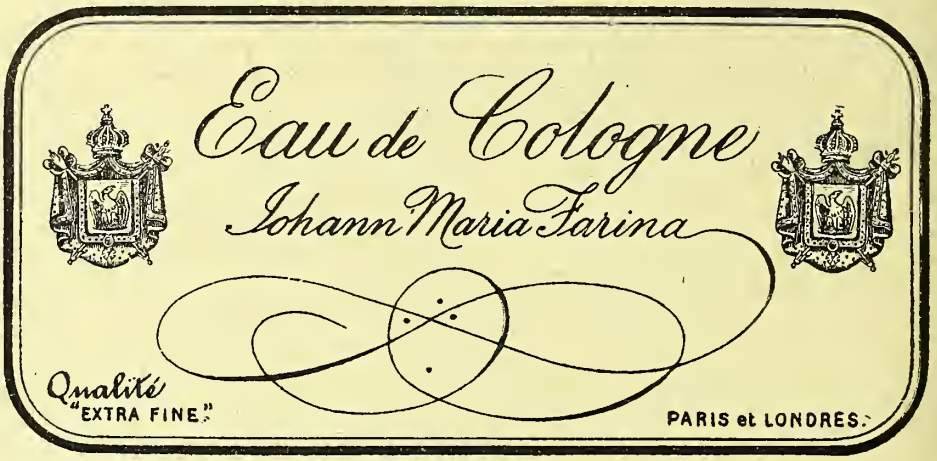
CUXSON, GERRARD & CO., LTD.
OLDBURY, near BIRMINGHAM.



IT IS NOT BY CHANCE

that our Eau de Cologne is sold by almost all our numerous customers. It is because it is **really good, and shows a satisfactory profit on a quick sale.** A quality product through and through.

	Per doz.
½-oz. size	8/-
1-oz. ,,	12/-
2-oz. ,,	22/-
4-oz. ,,	42/-
8-oz. ,,	81/-
1-oz. flask	12/-
4-oz. ,,	42/-
Wickered—	
¼-pt. ,,	39/-
½ pt. ,,	72/-
1-pt. ,,	140/-
1-qt. ,,	252/-
Watch Shape	36/-

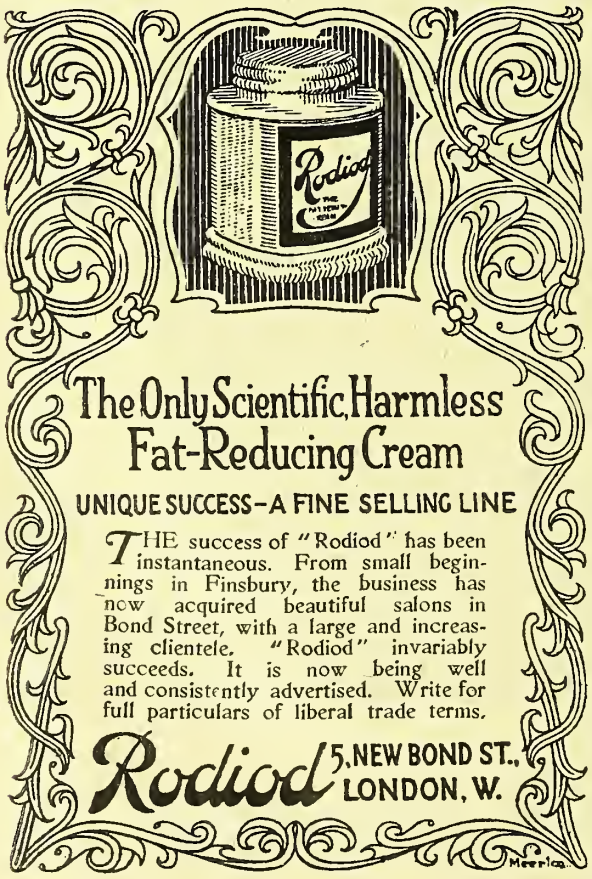


Facsimile of Label.

WM. EDWARDS & SONS

157 QUEEN VICTORIA STREET. **239/240 UPPER THAMES STREET, LONDON, E.C. 4.**

Telegraphic Address: "Medicines, Cent, London." Telephones: Central 1400 and 1401.



Shipkoff's Pure Otto of Rose

The TEST of Cheapness is QUALITY—not PRICE

SHIPKOFF'S OTTO OF ROSE is the Cheapest, because it is the *Best Otto* in the market. It is the *Standard Brand*—always *pure, uniform* and *one quality only*. Before placing your contract, be sure to get Shipkoff's sample and price, and try it. Original Sample Coppers in 1, 2 and 4-oz. sizes.

ONCE TRIED—ALWAYS USED.

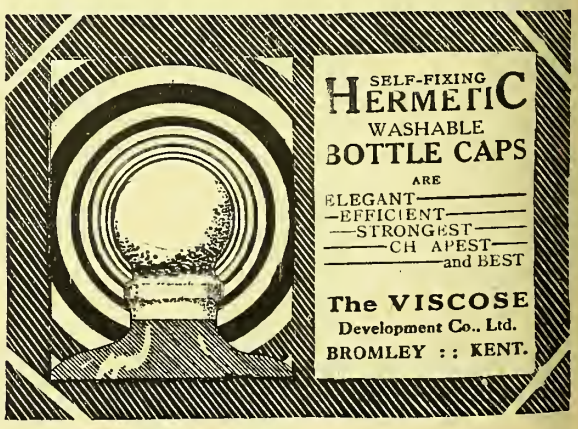
Highest Awards at all Universal Expositions, including Four Grand Prizes.

Shipkoff & Co., Kazanlik, Bulgaria.

BRANCH OFFICE IN SOFIA.

Model Steam Factories in Kazanlik, Kalofer, Kerlovo and Rahmenlari. London Depot—

G. P. & J. BAKER, LTD., 5 Giltspur St., Newgate St., E.C. 1.



MORNY

COMPLEXION POWDERS & BATH DUSTING POWDERS

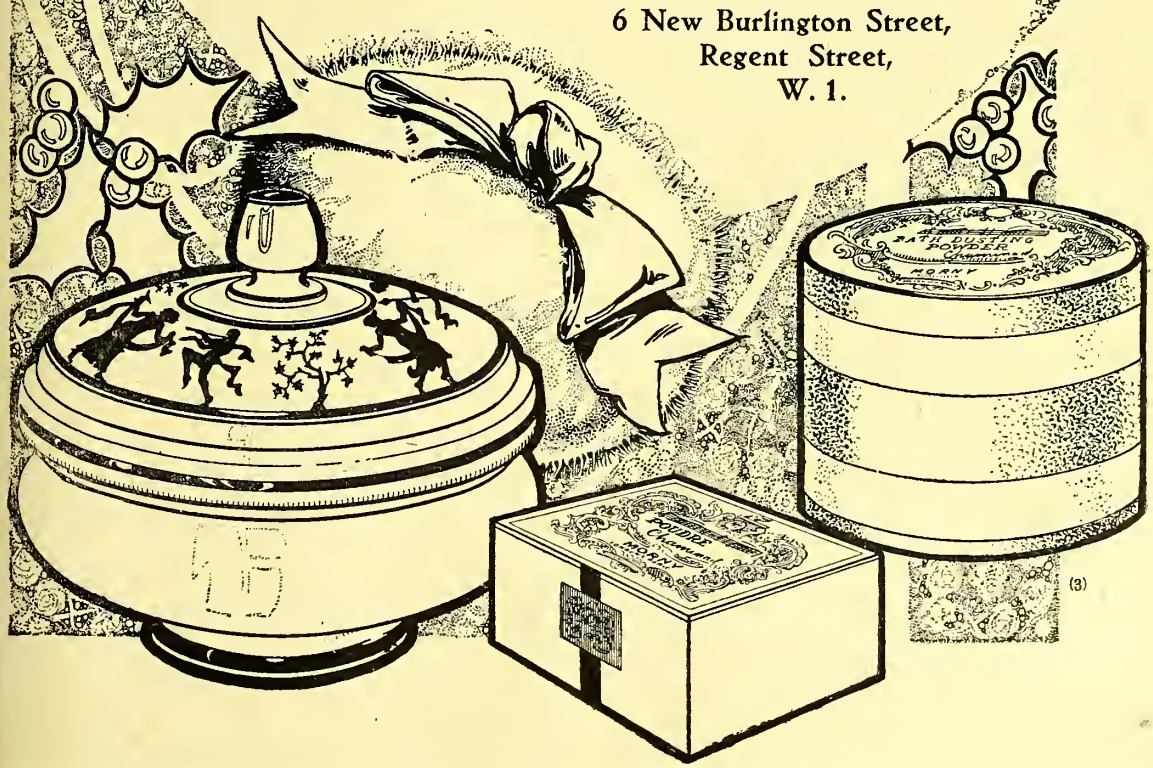
produce a higher percentage of REPEAT ORDERS than any other Toilet Preparations. You can stock no higher quality or more artistically presented products.

They are produced in a variety of original MORNY Odours and favourite flower fragrances, including "Chaminade," "Mystérieuse," "Sérénade," "La Valse," "June Roses," "Rose-Verveine," "Violette-Morny," &c. &c.

Write for Price List and Terms to:

MORNY FRÈRES LIMITED

6 New Burlington Street,
Regent Street,
W. 1.



(3)

THE

FAIREST OFFER EVER MADE.

If you would like some good original perfumes to complete your Xmas Show, we will gladly send a parcel to any stated value, on the clear understanding that all or part may be returned for credit,

IF, ON RECEIPT, YOU DO NOT CONSIDER GOODS SUITABLE.

DE LUZY (London Office)

3 LONDON WALL AVENUE, E.C.2

W. H. CALNAN - - - - General Manager

There is an increasing demand for

TOILET GOODS as CHRISTMAS PRESENTS

Manicure and Brush Cases and Sets—Mirrors in Ebony—Xylonite, &c.—Hair Brushes—Shaving Outfits—Baby Toilet Sets—Mounted Hair Ornaments, &c.

SEND FOR APPRO. PARCEL.

A WONDERFUL 1/- LINE. EXCLUSIVE OFFER.

Dainty ½-oz. Perfume (Hellier's). Heavy Coronet Glass Stopper.

(Jockey Club, Carnation, Lilac, Wallflower, Ess. Bouquet, and Japosa Phan.), 9/- doz.; 3 doz. 8/6 doz.; 12 doz. 8/- doz.

"THE HOUSE FOR TOILETS"—

Telegrams—"ARNEETA, MANCHESTER"

W. E. BINGHAM & CO.

SHUDEHILL, MANCHESTER

Telephone—1073 CITY.

THE EVAN WILLIAMS'

EMULSIFIED COCOANUT OIL SHAMPOOS

in liquid form (2 sizes) *in powder form (packets)*

They are well up to the Evan Williams' standard of production, sell freely, and give a handsome profit.

Write for "The Shampoo Salesman," which gives full details of all our Preparations.

THE EVAN WILLIAMS CO., LTD., 18 & 18a Ogle Street, LONDON, W.1.

The largest Shampoo Specialists in the world.

Something good to sell

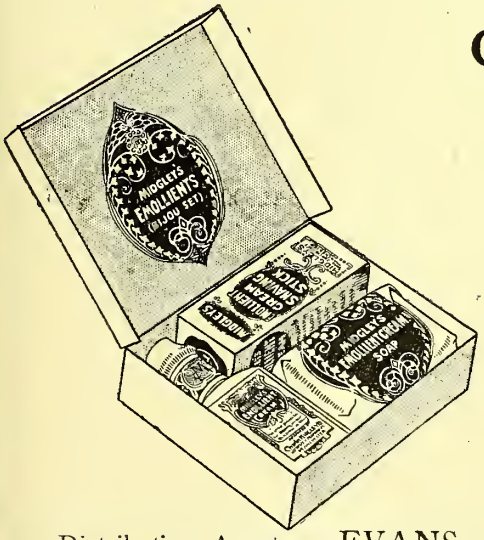
at a shilling is what many chemists will be seeking this Xmas when the search for small useful and sensible gifts on the part of the public is likely to be so keen. We have evolved what we claim to be the finest Shilling Toilet Outfit ever offered consisting of

One Dainty Bottle Midgley's Emollient Cream
One Tablet Midgley's Emollient Cream Soap
One Midgley's Emollient Cream Shaving Stick
elegantly presented and contained in hinged box

Trade Price - 8/9 dozen.

Carriage paid ex Evans with other goods.
Gross lots 13 to the dozen carriage paid ex Makers:

GEORGE HOLLIDAY
AND CO. LTD.
MANCHESTER



Distributing Agents: EVANS SONS LESCHER & WEBB Ltd.
LIVERPOOL and LONDON.

FLORAL
BATH CRYSTALS

2430

In Bottles. Fitted Boxwood Top Corks, Capped and Ribboned.

Assorted Odours—Lavender, Verbena, Cologne, Oriental Rose and Violet.

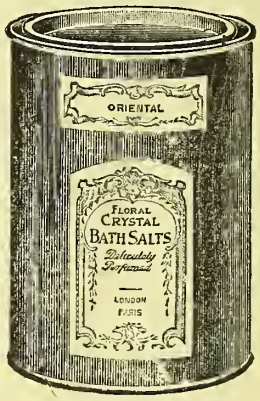
2	12	15	32	60 oz.
12/-	16/6	20/-	36/-	66/- dozen,

Customer's Name on 3 dozen assorted.

Assorted Odours as above, in Lever Lid Packages Covered Wood Veneer.

2	4	7 lb.
26/-	50/-	90/- dozen.

Customer's Name on 3 dozen assorted.



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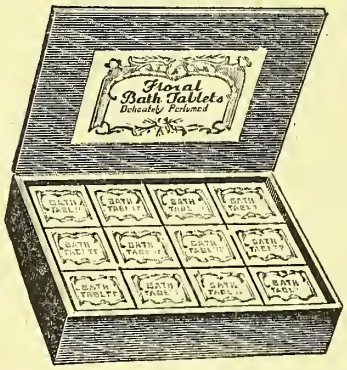

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COMPRESSED
FLORAL BATH TABLETS

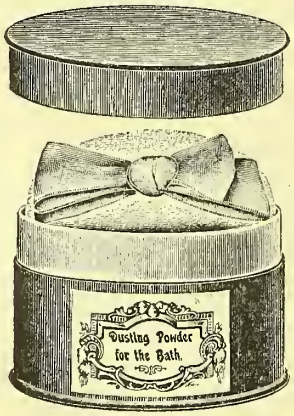
Assorted Odours as above.

In boxes of 1-dozen Tablets, **20/-** dozen Boxes.

In Boxes of ½-dozen Tablets, **12/-** dozen Boxes.

Tablets loose, each in Carton, **15/-** gross.

Customer's Name on 3-dozen Boxes.



DUSTING POWDER
FOR THE BATH.

IN WOOD VENEER BOXES.

5″ × 3½″

Complete with Wool Bath Puff.

No. 3688	**39/-** dozen.
Without Puff	**20/-** „

Telephone: HOP 4170 (2 lines).

WILLIAM TOOGOOD LTD
77, SOUTHWARK ST
LONDON, S.E.1.

Telegrams: "TOOGOOD, BOROH, LONDON."

One of the Palmolive Window Displays.

Push Palmolive Sales

and

Gain Quicker Profits

Quick turnover of stock means quicker profits—better profits.

We are doing our part with big and forceful newspaper advertising—advertising which is sending the custom straight to you—and by supplying the smartest window displays turned out.

You can do a vast deal towards pushing sales and speedily clearing stocks by giving a word from behind your counter. Co-operation always increases sales and makes for better trade.

You have seen Palmolive advertising. See Palmolive Window Displays. 2,000 sets are held in readiness. Apply for your set now—FREE, and carriage paid of course, and go right out for bigger sales—quicker sales—better profits.

THE PALMOLIVE COMPANY,
13-14 GT. SUTTON ST., LONDON, E.C. 1.

Facsimiles of two only of the many attention-compelling, high-grade Palmolive newspaper advertisements.

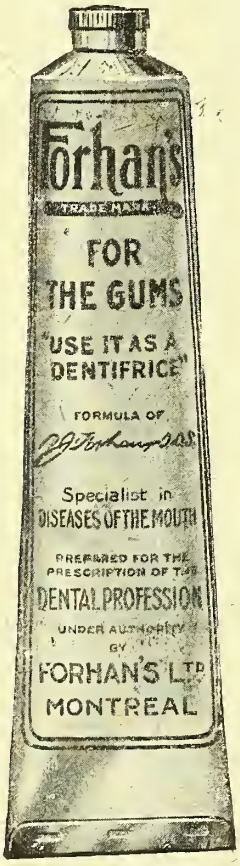
In each advertisement the reader is told to come to you for supplies of Palmolive.

PALMOLIVE

Why Forhan's is Needed by Millions

Millions to-day are suffering from Pyorrhea, the insidious disease of the gums which saps health and vitality. Millions more wish to guard against its approach.

With profit to yourself, you can take your share in the national crusade for better teeth. Sell Forhan's For the Gums. If used in time and used consistently, Forhan's definitely prevents Pyorrhea, while it possesses valuable healing properties in cases where the disease already has become active.



If you do not already stock Forhan's, write for terms and all trade particulars.

Thos. Christy & Co.
4-12 Old Swan Lane,
London, E.C. 4

Forhan's
FOR THE GUMS

"Newbery's"

FRANCIS NEWBERY & SONS LTD

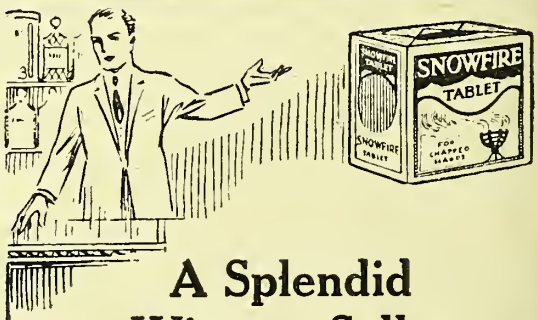
COMPLETE RANGE OF

Packed Pharmaceuticals,
Toilet Preparations,
"Own Name" Packed Goods.

SUNDRIES—

Best British Tooth Brushes, Hair Brushes, and Shaving Brushes. Mirrors, Manicure Requisites, etc.

FRANCIS NEWBERY
& Sons, Ltd.
LONDON & CARDIFF.



A Splendid Winter Seller

Snowfire is in immediate and continuous demand during the winter because of its wonderful protective and beautifying properties. Distributed to only chemists and druggists—many other traders ask for supplies but we refuse to alter our policy. Well advertised, liberal profits. Replaces the 1d. and 2d. tablet trade, does not affect sale of expensive creams.

Snowfire
TABLET

Write To-day for Terms—
F. W. HAMPSHIRE & Co., Ltd.
RIVERSIDE WORKS, DERBY.

NO XMAS COMPLETE WITHOUT SOME GOOD SHAVING BRUSHES.

Just the present that many ladies would give.

SIMMS'
SET-IN-RUBBER
BRUSHES
Are Guaranteed.
There are 100 models, to retail from 2/3 to 63/-. Unique and masterly designs, each in box.

One of the Simms' Showcards.

SIMMS'
SET-IN-RUBBER
BRUSHES
can be ordered on the understanding that any models can be returned if they are not considered suitable on receipt.

ORDER A RANGE TO-DAY AT STATED RETAIL PRICES, TO A STATED VALUE. DISCOUNT 33⅓%.

W. H. CALNAN & CO., LTD. 30-32 LUDGATE HILL LONDON :: :: E.C4.

"Jackel's Cream"

(without Grease)
for THE HAIR
Sold everywhere
Established 1883.

"Jackel's Cream" fixes the hair in any desired position ; is unexcelled as a dressing and does not soil the headware. It removes Scurf and Dandruff, keeps the scalp healthy, and promotes the natural growth of the hair while maintaining its softness and brilliancy.

Prices for Wholesale and Export Houses on application.

Jackel et Cie (of Paris) Ltd.,
Sauchiehall Street
GLASGOW.

© CRYSTALLISED CREAM
1/9 2/6
Trade Mark attached to each bottle.

Mr. Geo. R. Sims' "Tatcho" and "Tatcho-tone." A big vigorous impressive advertising campaign, covering the whole of the British Isles, is now being pursued. A vastly increased volume of business is inevitable. Generous profit to the trade has been arranged.

TATCHO
THE HAIR GROWER
Price 2/9
Wholesale: **26/-** PER DOZEN.

TATCHO-TONE
FOR GREY HAIR
Price 4/6
Wholesale: **42/-** PER DOZEN.

GEO. R. SIMS' HAIR RESTORER CO.
5 Great Queen St., Kingsway, LONDON, W.C.2.

DEARBORN

LIMITED

37 Gray's Inn Road, LONDON, W.C.

Toilet Specialities.

	Price per doz. to Retailer.	Selling Price P.A.T.A.
PILENTA SOAP A complexion soap.	10/-	1/-
PROLACTUM For the lips.	10/-	1/-
PARSIDIUM JELLY For wrinkles.	10/-	1/-
ALLACITE of ORANGE BLOSSOM A dressing cream.	22/6	2/6
BORANIUM A hair tonic.	22/6	2/6
SILMERINE Hair curling fluid.	22/6	2/6
CLEMINITE For a face lotion.	22/6	2/6
COLLIANDUM For a face tint.	22/6	2/6
PERGOL A deodorant.	22/6	2/6
STALLAX For a shampoo.	22/6	2/6
JETTALINE For clearing the skin.	31/6	3/6
PHEMINOL A depilatory.	36/-	4/-
TEKKO PASTE Camphor cream.	22/6	2/6
MENNALINE For the eyelashes.	36/-	4/-
MERCOLIZED WAX A face cream.	31/6	3/6
STYMOL For oily complexions and blackheads.	36/-	4/-
BARSYDE Dandruff eradicator.	22/6	2/6
TAMMALITE For grey or faded hair.	22/6	2/6
LIQUID PERGOL To check excessive perspiration locally.	31/6	3/6
BICROLIUM For whitening the hands.	22/6	2/6
COCONOIDS For figure development.	31/6	3/6
HARAPOSA Nut oil shampoo.	22/6	2/6

STOCKED BY ALL WHOLESALE HOUSES

COLONIAL DEPOTS AND AGENCIES:

AUSTRALIA:
ALL WHOLESALERS, and
DEARBORN, Ltd., Grace House, Clarence Street, Sydney.

SOUTH AFRICA:
LENNON, Ltd.
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INDIA:
KEMP & CO., Ltd. (Bombay).
THE INTERNATIONAL TRADING CO., Princess Street (Bombay).
R. MACLURE (Madras).
SMITH, STANISTREET & CO. (Calcutta).
MEHTA BROS. (Calcutta).
JAMNADAS BROS. (Bombay).

NEW ZEALAND:
SHARLAND & CO., Ltd. (Auckland & Wellington).

SOUTH AMERICA:
DEARBORN, Ltd., Calla Salta 264, Buenos Aires.

TRY THIS FORMULA.

Hill's Cologne Essence,	1 oz.
S.V.R.	17 oz.
Aqua	2 oz.

It is the formula of Mr. Wilfred Hill, principal of the County Chemical Company, Birmingham.

A Veritable Revelation in

EAU DE COLOGNE

Refreshing in the highest degree, delicate, fragrant and exceptionally lasting. It is also cheap. Prices:

1 oz. **3/6**; 4 oz. **13/-**; 16 oz. **50/-**

POST FREE.

Samples and full particulars on request.

THE SPA TOILET CO.

LEAMINGTON SPA.

To introduce our new label

Don't wait until you are asked for

OCULYSOL

THE IDEAL EYE TONIC

STOCK IT NOW

Overseas enquiries invited.

Obtainable from Wholesalers and Sole Proprietors:
The Ophthalmic and Chemists' Supply Co., Ltd.,
77 Wigmore Street, W. 1.

Write for Special Offer for Window Display.

To Owners of

MEDICAL & TOILET PROPRIETARIES

Manufacture and Sale undertaken on specially moderate terms by

J. H. CUFF & SONS

(Harcombe Cuff Ltd.)

Wholesale Chemists and Druggists,

453 Caledonian Rd., London, N.7.

Refined Glycerin

In Small Bottles.

PRICE'S prices are down

WE have pleasure in announcing that we have reduced the price of Glycerin in small bottles. Details will gladly be supplied on application.

The consistent demand for

Price's Glycerin

(First distilled by us as far back as 1855)

is traceable to

Its unsurpassed purity;
Its uniformity of quality;
Its convenient packages.

Price's Double-Distilled Glycerin conforms to every requirement of the B.P.

Be prepared for the Glycerin Season ! ! !

ATTRACTIVE SHOWCARDS AVAILABLE.

PRICE'S PATENT CANDLE CO., LTD., BATTERSEA, S.W. 11.

Everyone of them needs a Sorbo Sponge

THERE is hardly a household from John o' Groats to Land's End which would not be better off with a Sorbo Sponge.

In your district there are thousands of torn and slimy sponges just waiting to be replaced by a clean, velvet-soft Sorbo Sponge. *Sorbo Sponges never get slimy. Soap improves them.*

Don't miss this opportunity of doing a big trade. Display Sorbo Sponges in your window. Retailers have cleared as much as £15 in a single week from the sale of these sponges.

Order a stock of Sorbo Sponges—packed in the new hygienic transparent cover—NOW.

Sorbo Sponge

THE MOST ABSORBENT RUBBER SPONGE

Retail Prices: No. 1, **1/3**; No. 2, **2/-**; No. 3, **3/-**; No. 4, **5/-**; Bath Sizes, No. 4R, **7/6**; No. 5, **10/6**.

Sorbo Rubber-Sponge Products, Ld.

24 WALBROOK, LONDON, E.C.4.

Telephone: City 9372. Telegrams: "Osorbeau London."

TUSKOID

Superfine Cut—Non-Inflammable.

Fine Tooth Combs.

8/- 10/- 12/- per dozen.

Glass-fronted Showcase free with 3 dozen Combs, **£1 10 0**

MAZEPPA
ENGLISH MADE TOOTH BRUSHES

Transparent. Three Colours.

4 Row; Best Bristles	...	...	**11/6** doz.
3 Row, Children's...	...	...	**8/-** doz.

GENUINE IVORY
FOLDING POCKET MANICURES

Containing Nail File, Toothpick and Cuticle Spoon. **8/-** doz. carded.

BONE NAIL FILES

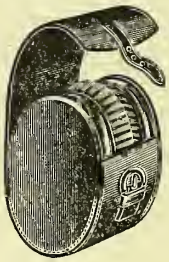
Assorted sizes. 1 doz. on card. **3/-** per card.

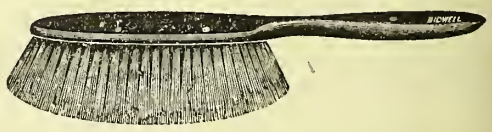
H. J. LEE & CO.

Osborne Works, LANCASTER.

BIDWELLS

Factories: AXMINSTER, DEVON.

WE  **OFFER**



FOR XMAS TRADE.

Tufknit
TRADE MARK REGISTERED
"The Aristocrat of Washcloths"
DISPLAY THEM
They are the QUALITY CLOTHS your customers know by name.
SEE THE NAME ON EVERY CLOTH
A PATENT KNITTED FABRIC with a RAVEL-PROOF LOOP
STYLE No. 1
The Little Sanitary Towel
Factory · COHOES · NEW YORK
LONDON OFFICE:-48 FORE ST. E.C.2
STOCKED BY
LEADING DRUGGISTS' SUNDRIESMEN

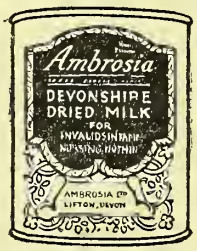
Ambrosia

DEVONSHIRE

¶ The advantages of Devonshire Milk, of fresh and constant quality, are being more and more realised by the public, who are asking for AMBROSIA in increasing quantities to ensure really safe milk of known origin for infant feeding.

¶ All supplies of AMBROSIA are ABSOLUTELY FRESH, every tin being guaranteed.

¶ AMBROSIA is being increasingly recommended by the Medical and Nursing Professions, and is also being advertised to the public, so DO NOT LOSE BUSINESS by neglecting to have on hand a supply of AMBROSIA



DRIED MILK

FOR INFANTS & INVALIDS.

Price List, advertising matter, etc, on application

AMBROSIA LTD, LIFTON, DEVON

London Offices:— BRIGHTON CHAMBERS, DENMAN ST LONDON, S.

Telephone:—HOP. 927.

Glass Bottles of every type in stock.

Flats, Panels, Rounds, Kalis, Pomades, Vials, Boat-shape Feeders, etc.

SEND US YOUR ENQUIRIES. WHOLESALE ONLY.

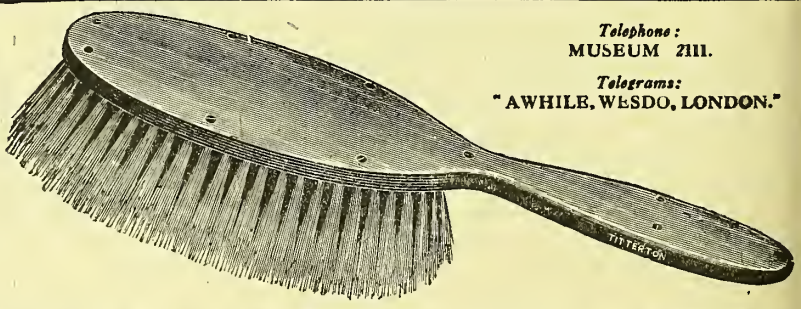
E. DUNCAN DORING 7 *King St., Cheapside, London, E.C. 2*

Telegrams: "Doringlaso, Phone, London." Phone: City 4000.

HAIR BRUSHES

NAIL BRUSHES.
CLOTHES BRUSHES.
SHAVING BRUSHES.

Everything in the way of Brushes.



Telephone: MUSEUM 2111.

Telegrams: "AWHILE, WESDO, LONDON."

TITTERTON & HOWARD LTD., 8-10 GT. TITCHFIELD STREET, LONDON, W.1.

NEW SALES-POLICY FOR

"Yadil" Antiseptic.

YIELDING to pressure from the public and many medical men, we are opening in the next few days a press campaign to make the value of "Yadil" Antiseptic widely known. For five years it has been advertised exclusively to the medical profession, who have established that "Yadil" is the one and only safe, effective antiseptic for the internal and external disinfection of the human system.

¶ To get your share of the business we are creating, we suggest that you place an initial order through your wholesaler.

¶ You will soon have to send in large repeat orders.

¶ From now on, distribution of "Yadil" will be made exclusively through recognised wholesale firms who adhere to the P.A.T.A. No order will be accepted direct from chemists.

¶ Read our advertisements appearing daily in the *Daily Express* and *Manchester Guardian*. This campaign will extend to every important paper in the Kingdom immediately complete distribution is assured.

"Yadil" is pronounced YAH-dil.

CLEMENT & JOHNSON LTD.,

19 SICILIAN AVENUE, LONDON, W.C.1.

B B 1

RECOMMEND

JOHN BOND'S

"CRYSTAL PALACE" MARKING INK

16 YEARS ON THE P.A.T.A.

A STRAIGHT 6d. and 1/- LINE.

6d. size in enlarged square Bottle (as illustrated).

The public buys more "John Bond's" every year. A word of suggestion will often sell a bottle: Marking Ink is one of the things of which people need to be reminded, and they will always take "JOHN BOND'S" (HEAT or NON-HEAT), which is warranted to fulfil every requirement,

YOUR WHOLESALE HOUSE KEEPS IT!

6d. size, 4/3 doz. (30% profit); **1/- size, 8/- doz.** (33⅓% profit).

A Linen Stretcher and Special Marking Pen given with the 1/- size.

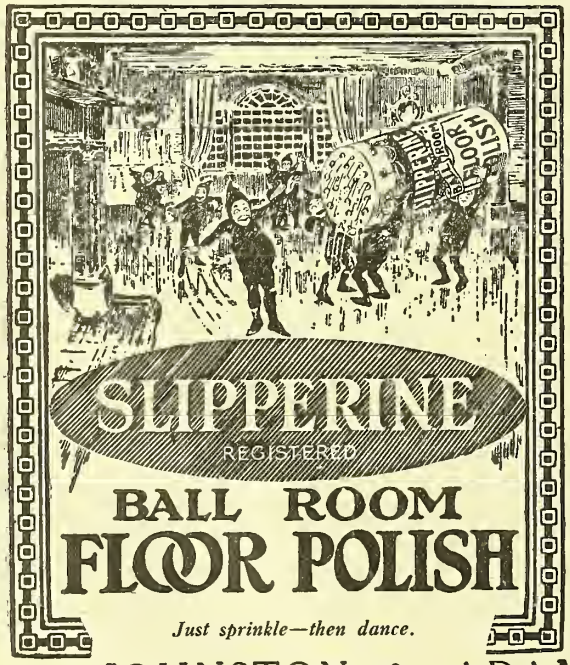
N.B.—WHEN ORDERING, PLEASE SPECIFY IF HEAT OR NON-HEAT IS REQUIRED.

WORKS:
75 SOUTHGATE ROAD, LONDON, N.1.

Wholesale Terms.

Minimum—1 gross 6d., 44/- or mixed order to same value; 1 gross 1/-, 80/-; subject to customary discount on quantities. £2 4s. 0d. and up carriage paid.

CATCH THE SEASON'S TRADE NOW!!



BY SHOWING

SLIPPERINE

Remember — Slipperine "makes" the perfect floor, and makes good profit for you.

P. A. T. A.
1/6 ord. size, 12/- doz.
2/6 dble. size, 20/- doz.
Less 2½% Discount One Month.
Six dozen 1/6 or equivalent less 5% One Month, Carriage Paid.

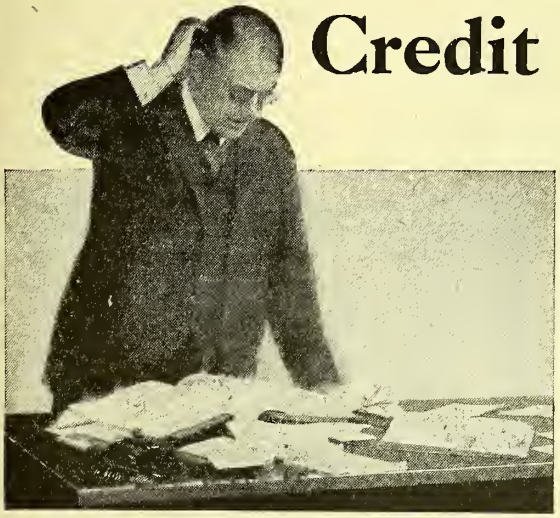
Obtainable from most wholesale houses. If in difficulty we can send you a TRIAL lot carriage paid.

Why not write us for WINDOW-SHOW TERMS?

JOHNSTON & ADAMS, Dundee, Scotland.

Export Representatives: W. C. RUDKIN & CO., 44 King William Street, London, E.C.4.

The Old and the New Way of handling Credit Accounts



Out of date Daybook and Ledger Method.

Up to date N.C.R. Credit File System.

Why this Method?

Hours of bookkeeping and worry.
Slow collections.
Forgotten charges and lost money.
Mistakes and disputes.
Displeased customers and lost trade.
Bad debts.
Accounts late in going out.
Cost of stamps, stationery, etc.
Valuable time wasted that could be spent in promoting business.
Incomplete and inefficient control.

This method is slow, expensive and inefficient.

Why not this?

Dispenses with Daybooks, Ledgers and Statements.
Saves worry and all bookkeeping.
Keeps accounts posted to date.
Collects money more quickly.
Reduces bad debts.
Stops mistakes and forgotten charges.
Pleases customers.
Saves expense and loss.
Gives proprietor absolute control.

This system is quick, simple and profitable.

The National Credit File will stop your "Credit" troubles and increase your net profits. Can you afford to be without it?

FILL IN THE COUPON AND POST IT TO-DAY ☛

THE NATIONAL
CASH REGISTER CO., LTD.,
225, Tottenham Court Rd., London, W.1
Branch Offices in all large towns.

The N.C.R.Co., Ltd., 225 Tottenham Ct. Rd., London, W.1.

Please send without charge or obligation, folder describing your National Credit File.

Name.....

Address.....

C. & D .....

The Sign of

Satisfaction

. Ask .

SUTTLEY & SILVERLOCK, Ltd.

The World's Label Printers,

BLACKFRIARS ROAD, LONDON, S.E.1.

Rebuilt National Cash Registers

WE often take back used Cash Registers in cases where customers are installing larger or more up-to-date machines. These used National Cash Registers

Thoroughly Overhauled and Rebuilt

are sold under the Company's full guarantee at reduced prices.

Write for details of "Nationals" available, Dept. R.1, The National Cash Register Co., Ltd., 225 Tottenham Court Road, London, W.1.

YOUR CHEMIST CANNOT WORK

properly unless he has suitable utensils for his work.

There is a "J. Green" filter paper suitable for even the most difficult liquid.

May we send you samples? They are sure to come in useful, and cost you nothing.

Manufacturers:

J. BARCHAM GREEN & SON
(J. Dept.), Hayle Mill, MAIDSTONE.

WHOLESALE ONLY.

Screw Cap Vial.

Tube Vial for Cork.

Slip-on Cap Vial.

TRIDENT VIALS are manufactured in London from the finest white flint glass, by the most modern automatic machinery. In strength, accuracy and evenness of corkage they are the finest glass vials ever produced.

Every gross of vials is packed in a separate cardboard box which practically eliminates breakages, and affords great convenience in storing and handling.

Trident Vial.

TRIDENT VIALS are made in three shapes:—

1. With bottle neck for cork, wide mouth, for Pills, Tablets, Powders, etc. Narrow mouth, for all kinds of liquids
2. With screw neck fitted with Nickel-lated Screw Cap.
3. As Straight Tubes for cork, or Nickel-plated Slip-on Cap.

SOLE MANUFACTURERS:

JOHNSEN & JÖRGENSEN FLINT GLASS LTD.

26 & 27 FARRINGDON ST., LONDON, E.C.4

ALKIA SALTRATES AND REUDEL BATH SALTRATES

The extreme height of perfection in salines. The best that can be produced regardless of cost. (3/3 P.A.T.A.).

The best of all bath preparations, either fo medicinal or general toilet use. (2/- and 3/3, double size, P.A.T.A.)

They never stay long on your shelves, because they please the customer EVERY TIME.

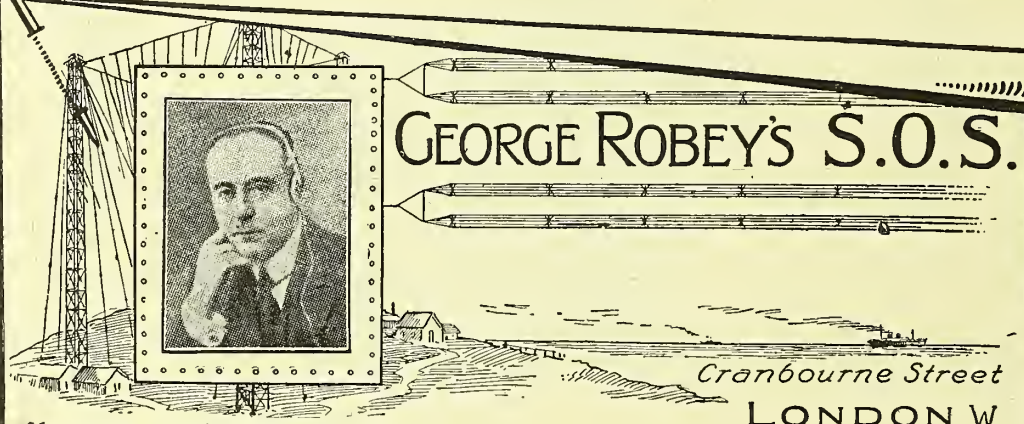
Never Let Your Stock Run Too Low.

NO STOCK — NO SALES.

A LETTER THAT EVERY CHEMIST SHOULD READ.

"Do I still have to travel to Continental Spas?
No, *NO*,—n'n'n' NO. I take my cure at home,"

Says **GEORGE ROBEY,** the inimitable comedian, who, like Sir Harry Lauder and numerous others amongst the really great stars of the theatrical firmament, has joined the long list of prominent men and women who have used our Saltrates with results so pleasing that they have kindly written us in grateful acknowledgement of the wonderful benefits derived. No other preparations in the world have ever received such endorsement. The following letter is here reproduced by special permission. SALTRATES, LTD.



Cranbourne Street
LONDON.W

Messrs. Saltrates Ltd.,
Euston Buildings,
London. N.W.1.

March 8th. 1920.

Dear Sir:- That was a good turn you did me in donating the supplies of Alkia Saltrates and Reudel Bath Saltrates that I ordered for the hospital. The favour is appreciated by me as much as the Saltrates are appreciated by all who use them, myself of course included. No one can accord anything higher praise than that.

Personally, I never could be sure of remaining in perfect bodily health and comfort without always having both Alkia and Reudel right where they are handy when wanted. I needed these Saltrates of yours long before commencing to use them, years ago. "Oh! How can I tell you my feelings" in those days. Now, I have no more internal or external aches or pains, no more tired feet or muscular strains. Do I still travel to Continental Spas? No, NO - n'n'n' NO! I take my cure at home.

I realise that every manufacturer appreciates the testimony he knows his products deserve, and it gives me pleasure to acknowledge the benefits derived in my own case. If you consider that my recommendation may be useful in helping others help themselves by using Alkia or Reudel, I have no objection to your quoting this letter.

Yours gratefully

Geo. Robey.

The Best Lanoline you can Sell

TRADE MARK **'WELLCOME'** BRAND

Toilet Lanoline

Completely satisfies your most exacting customer, and brings repeat orders. Its sale carries with it the moral and material advantages associated with products of the highest class.

Of pleasing consistency. Free from the woolly odour of ordinary lanolines. Never becomes rancid.

In collapsible tubes of two sizes, at **7/6** *and* **15/0** *per dozen (subject)*

TRADE MARK **'WELLCOME'** BRAND

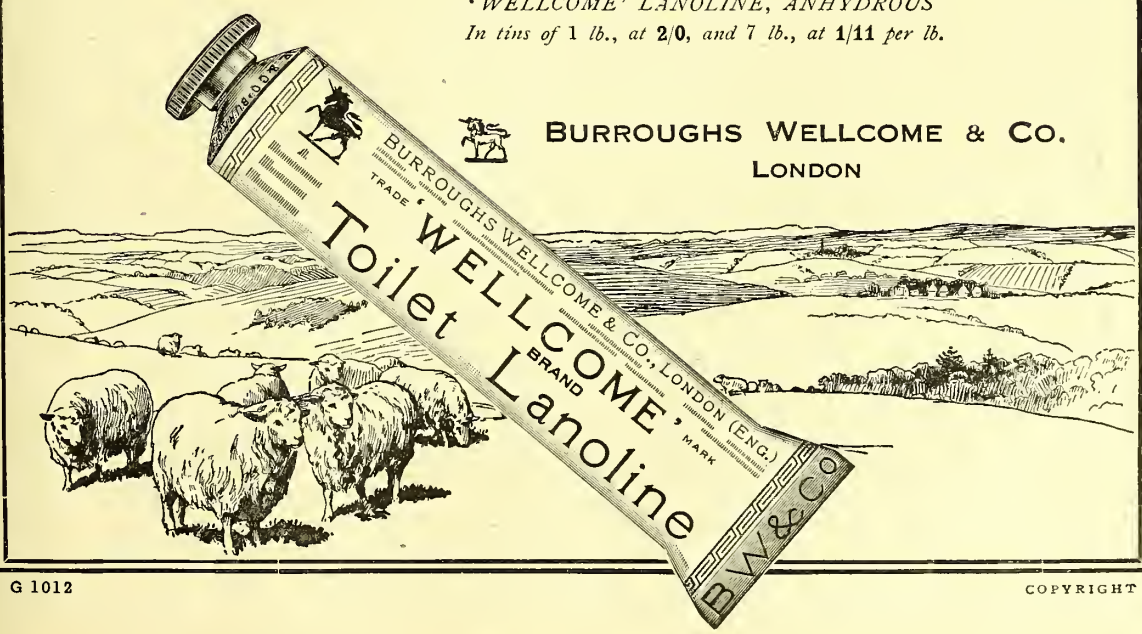
Lanoline

The brand of Lanoline for high-class dispensing. Ideal as a base for the Pharmacist's own proprietaries.

'WELLCOME' LANOLINE, HYDROUS
In tins of 1 *lb., at* **1/10**, *and* 7 *lb., at* **1/9** *per lb.*

'WELLCOME' LANOLINE, ANHYDROUS
In tins of 1 *lb., at* **2/0**, *and* 7 *lb., at* **1/11** *per lb.*

BURROUGHS WELLCOME & CO.
LONDON



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THE BRITISH DRUG HOUSES LTD.

P.P.P. CHEMICALS

Ready for Retail.

THE undermentioned pharmaceutical chemicals are now issued in packages suited to the retail counter. Each is packed in a substantial and attractive carton bearing full directions for use and also our comprehensive warranty of purity of the contents and of compliance with every requirement of the British Pharmacopœia and of the Food and Drugs Acts. The advantages of retailing these high-class products are self-evident.

		1 oz.	2 oz.	4 oz.
Magnesium Sulphate, B.D.H. ...	per dozen	9d.	1/-	1/6
Needle Crystals	„ gross	8/6	11/6	17/-
Sodium Bicarbonate, B.D.H. ...	„ dozen	10d.	1/1	1/8
„ „ „ ...	„ gross	9/6	12/6	19/-
Boric Acid, B.D.H.	„ dozen	1/7	2/9	5/-
Powder	„ gross	18/6	32/-	59/-

A card outer is supplied for each 3 dozen (6 dozen also in the case of 1 oz. size).

Samples will be sent gratis to any pharmacist on request.

22-30, Graham Street, City Road,
LONDON, N.1.

THE CHEMIST AND DRUGGIST

A WEEKLY JOURNAL OF PHARMACY AND OF THE CHEMICAL AND DRUG TRADES.

THE CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists' and Druggists' Society of Ireland, and of other Chemists' Societies in the Overseas Dominions.

SUBSCRIPTION RATE

TWENTY SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 9*d*. post free; *Diary*, 10s. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martins Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 20s., franco

TERMS FOR ADVERTISING may be obtained on application to the Publisher.

Head Office: 42 CANNON STREET, LONDON, E.C. 4

Telegrams: "Chemicus, Cannon, London." Telephone: Central 3617 (3 lines).

Branch Offices: 49 County Buildings, Old Millgate, Manchester. (Telephone: City 52)
Melbourne and Sydney, Australia.

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"C. & D." Retail Price List

THE CHEMIST AND DRUGGIST has always been noted for the complete information that it gives week by week of the changes in first-hand costs of drugs and chemicals. It has been frequently suggested to us, however, that we do not in this way fill completely the requirements of the retail chemists, who form such a large proportion of our readers, in that no direct indication appears of the alterations that should be carried out in retail prices. It is true that each month the changes in the Insurance Drug Tariff are noted, but these are not in a form adapted for retail use. We have now resolved to issue, with the first number of the New Year, a **retail price list**, which we shall endeavour to make a thoroughly trustworthy guide to retail prices, and a basis upon which dispensing charges can be founded. The list will be produced on definite costing principles, and being distributed without extra charge with the *C. & D.*, will be assured of a unique and extensive circulation. Our desire is to benefit the retail drug-trade by producing an impartial list that will tend to standardise retail prices, and so assist in removing the reproach of uncertainty and variation that is often made by the public regarding chemists' prices. The list is in active preparation, and will be first issued with the *C. & D.* for January 7, 1922.

English and Welsh News

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Dentists Act, 1921

"The London Gazette," November 29, contains a notice that, as from December 1, the Dental Board of the United Kingdom established under the Dentists Act, 1921, is constituted as follows: The Right Honourable Francis Dyke Acland, M.P. (Chairman); Mr. Laurence George Brock; Mr. Fred Butterfield; Sir Arthur Gerald Chance, F.R.C.S.Irel.; Mr. Dugald McCoig Cowan, M.P.; Mr. William Henry Dolamore, M.R.C.S., L.R.C.P., L.D.S.; Professor William Henry Gilmour, M.D.S., L.D.S.; Mr. William Guy, F.R.C.S.Edin., L.R.C.P.Edin., L.D.S.; Sir James Hodsdon, K.B.E., F.R.C.S.Edin.; Mr. Horace Archibald Robertshaw; Mr. Edward Leo Sheridan, F.R.C.S.Irel., L.R.C.P.Irel., L.D.S.; Mr. John Sinclair; Mr. Holburt Jacob Waring, F.R.C.S.; and Mr. Norman C. King (Registrar). The offices of the Dental Board are at 44 Hallam Street, Portland Place, London, W. 1. Communications should be sent to the Registrar at that address.

Rayleigh Memorial Unveiled

A mural tablet to the memory of the late Lord Rayleigh, O.M., was unveiled in Westminster Abbey by Sir Joseph Thomson, O.M., on November 30, after a short service of dedication. The memorial consists of a portrait medallion, with the following inscription:

John William Strutt, O.M., P.C., 3rd Baron Rayleigh, 1842-1919; Chancellor of the University of Cambridge, 1906-1919; President of the Royal Society, 1905-1908. An unerring leader in the advancement of knowledge.

In the course of an eloquent address, Sir Joseph Thomson said that Lord Rayleigh went roaming about seeking for difficulties to destroy, and he (the speaker) really believed that he loved a difficulty for its own sake and perhaps felt sorry for it after he had destroyed it. The discovery of argon was one of the romances of science. The fact was that we had unsuspected among us the element in large proportions—there were, he believed, some tons of it within the walls of the Abbey building—and yet, in spite of the experiments of chemists and physicists for centuries, no suspicion of its existence had ever arisen. Argon was tracked down by the oldest piece of chemical apparatus—the balance, an instrument which had been at the command of all Lord Rayleigh's predecessors, and by which they might have made the discovery. In the isolation of argon Lord Rayleigh was fortunate enough to procure the co-operation of Sir William Ramsay, and when the properties of the new substance were investigated they turned out to be of extraordinary interest, and the discovery of this, which was followed by the discovery of other gases of the same nature, had had a very pronounced influence on the progress of our ideas as to the structure of matter.

Poisonings

The following cases of fatal poisoning have been recorded since our last report:

At Birmingham, Martha N. Sacks committed suicide by taking veronal while of unsound mind. It was stated that the veronal was obtained by her five years ago.

An inquest was concluded at Leamington, on November 24, on the body of Lily Timms, wife of an attendant at a Coventry hotel. Mixtures and pills were mentioned during a previous sitting, and eventually it was found that a drug used as an abortefacient had caused death, and that the husband of the woman was guilty of murder.

Fires

The following outbreaks of fire have been recorded since our last report:

There was a slight outbreak, which was quickly extinguished, on the premises of Mr. T. B. Illingworth, chemist and druggist, Skipton, on November 26.

An outbreak occurred at the works of the United Glass Bottle Manufacturers, Ltd., Charlton, London, S.E., on November 28. The damage, although serious, was confined to the furnace department, and the output of the works is not affected.

Birmingham

A "foot institute" for the treatment of corns and bunions has been started in the city.

The Alchemy Masonic Lodge, No. 3950, has sent £12 1s. to the local Christmas-tree fund.

Cook & Murray, surgical-instrument makers, King Alfred's Place, have secured larger premises in Broad Street.

The Huxley memorial lecture was given at Birmingham University, on November 28, by Professor C. Lloyd Morgan, who spoke on "A Philosophy of Evolution."

The Birmingham Chamber of Commerce has protested against the proposed high tariffs in Spain, and has suggested a joint committee to advise the Board of Trade in the matter.

The windows of local traders were decorated according to custom for the Cattle Show Week. Among the prize-winners was a beast belonging to Sir Richard Cooper, Bt., M.P. Manufacturers of poultry requisites, both foods and medicines, were well represented.

Following an error by a correspondent of the "Birmingham Post" with regard to Irish horns being bought by French and German comb manufacturers instead of being used by British firms, another correspondent states:

Very few, if any, Irish horns find their way to either of those countries. Strange to say that the horn from which combs are made comes mostly from the Cape or South America, and both the French and Germans call the horn plates "Corne d'Ireland." . . . Horns grown in Great Britain and Ireland are generally too thin and small for the purpose. Vast quantities of combs are made in Scotland, and many are still made in England. It was a very old industry in Bewdley, and also at Kenilworth; but in each case the trade has either migrated or quite died out. The Bewdley trade was carried to Gloucester, where it is a flourishing business, and the Kenilworth trade has ceased to exist.

Liverpool

Leading tailors still find a brisk demand from artisans for suits at from £7 to £11.

Patent medicines are to be added as a department to a Hanover Street wholesale house.

"Do your Christmas shopping early" is the injunction posted by a large departmental stores.

Three new pharmacies, one of which is a branch of an existing business, have just been opened in the city.

Symes & Co., Ltd., have sent out a circular stating that "Lac-Bismuthi" has been re-registered by them three times during thirty years, and that the trade-mark can be applied only to products issued by them.

The "short intimate papers" on questions of "great pith and moment" are being retained as a feature of each session of the Liverpool Chemists' Association. The Association was well represented at the annual dinner of the Southport Association (see p. 49).

A meeting of the local branch of the British Association of Chemists was called for November 24 to consider the provision, under the Pharmacy Acts Amendment Bill introduced by Captain O'Grady and others (*C. & D.*, November 12, p. 56), for conferring on the Institute of Chemistry the power to authorise the use of the title "chemist."

Since the note on the use of opium by Chinamen in Liverpool appeared in our last week's issue (p. 48), further cases have come to light in the police court. The most interesting facts elicited were that Chinese boarding-house keepers paid £10 to £12 per lb. in Holland for opium (the sellers probably making £9 profit per lb.), and that £30-worth of morphine, as valued by the city analyst, was found in a grocery stores in Pitt Street.

Portsmouth

Friends of Mr. T. E. Greenhalgh, Copnor Pharmacy, will be glad to know that he is recovering rapidly from a serious illness. Mr. Greenhalgh is an old Volunteer; during the war he left his pharmacy for three months to serve with the Special Defence Corps on the East Coast.

Mrs. F. Gall, in addition to capably assisting in her husband's Arundel Street pharmacy, holds more than local office among Esperantists. By her introduction, the Portsmouth "Grupo" were recently entertained on board the Dutch cruiser "De Zeven Provincien," now lying in the harbour.

The Ladies' Working-party has been running some time, but the *C. & D.* correspondent has only recently pierced its veil of secrecy. Mrs. W. H. Bown is President; Mrs. A. T. W. Jeans, Vice-President; Mrs. A. B. Sparrow, treasurer; and Mrs. W. R. Atterbury, secretary. A children's party is in view for the New Year.

The new officers of the Pharmacists' Association are putting hustle into their work, and many activities, educational and social, are resulting. The visit to the gas-works was much enjoyed, in spite of bad weather; there was much to interest, nothing to bore, and the local papers gave a full account of the visit—to the satisfaction of all concerned. Last week's whist-drive was successful, as usual. That is explained by the responsible trio—the President, Mrs. Sparrow, and Mr. W. Coates (who quietly does all the "donkey work"). At these functions the chemists are generally outnumbered by the pharmacy students from the Municipal College and other invited guests. These showed their appreciation, on the occasion in question, by making a presentation to Mrs. Sparrow and by winning all the prizes.

Sheffield

A novel window-display of cough-cure has been arranged at the pharmacy of Mr. A. Inger, Carlisle Road.

A paper entitled "Physic, Pharmacy, and Phyction" has been promised for the December meeting of the Sheffield Pharmaceutical and Chemical Society.

The support given by the Sheffield Pharmaceutical Committee to the Retail Pharmacists' Union over the prices allowed for plaster-of-Paris bandages has been effectual.

The suspension of warship building has hit Sheffield badly, and is likely to have an adverse effect on business for a considerable time. Some traders are cancelling their orders for fancy goods.

Borax is interesting the inspectors under the Sale of Food and Drugs Acts. In a recent prosecution a grocery firm, which was fined for having 200 parts of arsenic per million in the article sold, had nullified a guarantee by re-labelling.

Southampton

A competition among Southampton pharmacists for prizes in the art of window-dressing began on November 21. It was laid down as one of the conditions of the competition that the windows must remain dressed until the judges had completed their round; and another proviso was that materials *ad hoc* must not cost more than 10s. The establishments concerned are those of W. Bates & Co., Ltd., Above Bar, Oxford Street, and Shirley; the Bevois Hill branch of Boots, Ltd.; Mr. Dodridge, Woolston; Mr. Eley, Shirley; Mr. Ferryman, St. Mary's Road; Mr. Fisk, Above Bar and Bridge Street; Mr. Hodges, Six Dials; Mr. W. J. Pearson, 1 Victoria Road, Woolston; Steel & Dowty, Bitterne; and F. B. Wride & Co., East Street.

Miscellaneous

FINE-CHEMICAL WORKERS' WAGES.—A Press report states that negotiations are proceeding between the Drug and Fine Chemical Manufacturers' Association and the unions representing the employees in that trade on the question of wages.

A MISSING MANAGER.—The London Press has given publicity to the fact that Mr. Frederick Glover, wholesale chemists' manager, has been missing from his home at Shepperton, Middlesex, since November 22. His house is situated close to the Thames, and drowning is feared.

Medical Act case.—At West Ham Police Court, on November 25, Kemp Lockwood, described as a consulting chemist, was remanded on a charge of taking and using the title of a licentiate of medicine and surgery and giving a false certificate of death. It was stated that the accused had obtained positions as a medical man on ships.

British Rexallites' competitions.—The Lancashire and District Rexall Club has won the first round in the "War of the Roses" salesmanship competition with the Yorkshire Rexall Club (*C. & D.*, October 29, p. 45). The second round takes place in January, when a competition on the same lines will be held in respect of Rexall throat pastilles. Cheques have been received by the Club secretaries from the United Drug Co. covering the assistants' commission on the sales.

Trade Boards inquiry.—Evidence was given before the Trade Boards Inquiry Committee, on November 30, by Mr. Shaw, President of the National Union of Mineral Water Manufacturers' Associations, and Mr. J. Miller Thomson, who represented the aërated-water trade of Scotland. Mr. Shaw said that the concensus of opinion among his members was that the principle of Trade Boards was beneficial; Mr. Shaw, however, thought that the Board for his trade had been a complete failure.

Molteno Institute of Parasitological Research.—Viscount Buxton opened at Cambridge, on November 28, an institute for parasitological research, built at a cost of £30,000 through the munificence of Mr. and Mrs. P. M. Molteno, who have supplemented this gift with a further sum of £6,000. This building is the first of its kind to be erected; and Professor Caullery, of the Sorbonne, Paris, made the handsome suggestion, in speaking at the opening ceremony, that so long as private enterprise can do such things the pre-eminence of the Anglo-Saxon race is assured.

In the Courts.—At North London Police Court, on November 24, The British Glass Blowers, Ltd., Birnam Road, Holloway, were fined £3 and £1, with costs, respectively, for employing lads aged seventeen and fourteen in their factory on a Sunday. It was stated for the defendants that one of the boys had deceived them as to his age, and no responsible person knew that the other was in the factory at the time.—At the Kent Assizes, on November 28, King Edward Horsenail, described as a chemist's assistant, was sentenced to nine months' hard labour for being concerned in a burglary at Bromley.—At Mansion House Police Court, on November 29, Violet Williams, charged with attempting to commit suicide by taking salt of lemon, which was said to have been obtained from a pharmacy near the Mansion House, was discharged to the care of her mother.

Irish News

Belfast

The annual meeting of the North Irish Pharmacists' Association was held on November 30.

At the County Court, on November 28, Wilson, Jordan & Alexander, Ltd., wholesale druggists, Tomb Street, Belfast, sued John McCrea, taxicab owner, to recover £10, damages alleged to have been sustained by reason of the negligence of the defendant's servant or agent in the driving of a motor-lorry which, on November 11, collided with the plaintiffs' motor-lorry and destroyed a quantity of confectionery. Judge Thompson gave a decree for plaintiffs for £4 2s 6d.

Synthetic camphor manufacture in Spain.—A Madrid message states that the Resinera Española has bought land at Santander for the erection of a chemical factory, which it will work on joint account with a German firm. The material for this factory has already arrived in Spain. It is hoped to produce at first one ton of synthetic camphor per day, at a cost price of about 7.50 pesetas per kilo.—"Manchester Guardian Commercial."

Scottish News

Brevities

A proposal to effect a reduction in wages and an extension of working hours per week has resulted in the workers employed by Cross's Chemical Co., Ltd., chemical manufacturers, Falkirk, coming out on strike.

Representatives of the National Drug and Chemical Union and the Shop Assistants' Union, at a unity conference held recently under the auspices of the Scottish Trades Union Congress, agreed to a further meeting in England, when the executives are expected to be present.

The death occurred at Bergenfield, New Jersey, recently, of Mr. Charles Lindsay. Deceased was a native of Montrose, and served his apprenticeship with Mr. John Reid, chemist, of that town. After studying at Aberdeen University he went, about twenty-six years ago, to America, where, at the time of his death, he was employed as a chemist by the G. W. Carnick Co., New York.

Edinburgh

A brisk correspondence has arisen in the local Press regarding the supply of medicaments to panel patients.

Pharmacy United suffered a severe reverse in their match, on November 23, with West End Athletic, being beaten by 8 goals to 1.

"The Public Analyst Profession" was the title of a lecture delivered to the members of the Edinburgh University Chemical Society, on November 22, by Mr. A. Scott Dodd, the city analyst. It is useful for the public analyst, he said, to possess some knowledge of engineering and manufacturing processes with a view to being in a position to advise manufacturers in the utilisation of waste products. Dealing with the effect of the Sale of Food and Drugs Acts, Mr. Scott stated that the coarser forms of sophistication in vogue in the days of our forefathers were now practically obsolete, but these, unfortunately, were superseded by adulteration carried out on highly scientific principles.

Glasgow

Mr. G. Dyet, chemist and druggist, Callander, has purchased the business of the late Mr. David Watson, chemist and druggist, Shawlands.

Glasgow Pharmacy Club held a meeting at 165 Hill Street on November 22, when Mr. Harvey P. Arthur and Mr. George Mackay were each presented with a roll-top desk. The presentation was to mark the club's appreciation of their services in the late organisation of which the club is the successor. Mr. Wood Wilson (President), who occupied the chair, in making the presentation to Mr. Arthur, alluded to the valuable services of Mr. Arthur as honorary secretary of the Glasgow and West of Scotland Chemists' Association for five years, and to the numerous other services rendered in connection with education and the higher interests of the craft. In reference to Mr. Mackay, he reminded the audience of the notable part Mr. Mackay had played in the formation of the Athletic Club and the great interest he had constantly shown in its welfare. Mr. Arthur and Mr. Mackay suitably replied. The toast of "Our Guests" was responded to by the company with great enthusiasm. Mr. Arthur McEwan replied for "The Pharmaceutical Society." An excellent programme of entertainment was carried through. The artists were Miss Beatson, A.L.C.M., Mrs. Lawson, Mr. Downie, Mr. Watt, Mr. Sloan, Mr. Moffatt, Mr. Barbour, and Mr. D. G. McKenzie. The toast of "The Pharmacy Club" was submitted by Mr. Mackay and coupled with the name of the President. Mr. Wood Wilson replied, and a happy meeting terminated with "Auld Lang Syne."

Parcel post to Poland.—The Postmaster-General announces that parcels may now be sent to Poland. A warning is given that a large number of articles are either prohibited from importation into the country or may be imported only on production of licences issued by the Polish authorities.

French News

(From the "C. & D." Paris Correspondent.)

DR. CABANES, well known for his curious works on the medical features of historical events, was announced to give two lectures at Geneva (on December 1 and 2) on Napoleon. The subject of the first lecture was "Napoleon and Hygiene," the second on "Napoleon's Power of Fascination."

M. CALMETTE, sub-director of the Pasteur Institute, by cultivating Koch's bacillus in a medium containing bile, renders it incapable of conveying tuberculosis. The bacillus is not destroyed, however, for, if injected into an animal, it tends to produce in the blood the special defensive constituents known as "antibodies."

M. DANIEL BERTHOLET read to the Academy of Sciences a note by M. Loisel on the radio-activity of the waters of Bagnoles-de-l'Orne. The deeper springs show constant radio-activity. The surface springs showed a great diminution of radio-activity during the recent droughts, but improved after rains. Probably large quantities of emanations remain underground.

COCAINE COLOUR REACTIONS.—M. Paul Hardy states that Vitali's reaction, when used for testing cocaine, indicates that absolutely pure cocaine, in the cold, shows no coloration. Tropacocaine, benzoyl, or cinnamylecgonine, or cinnamylcocaine gives (cold) a yellow-ochre tint; if heated, this becomes deeper. A violet tint (hot or cold treatment) is a certain indication of isatropylcocaine.

A PHARMACIST HERO.—M. Leopold Délépine, the infantry sergeant on whom the posthumous honour of the Médaille Militaire ("the French Victoria Cross") has been conferred, was a pharmacy student and hospital house pharmacist at Paris before the war. He was the son of a retired Norman pharmacist and the nephew of Prof. Délépine, of the Paris Faculty of Pharmacy.

EIGHT-HOURS ACT.—Pharmacists had hoped that when the "Eight-hours Act" was applied to the profession it would be accompanied by measures regarding compulsory closing. But public opinion seems hardly ripe for "local option." The legal limitation of the hours of labour is now admitted, but compulsory closing-hours seem to be looked upon as interference with individual liberty.

THE LE CONTE PRIZE.—The Committee nominated by the Academy of Sciences to examine the merits of candidates for the Le Conte prize includes Professor Moureu, Daniel Berthelot, d'Arsonval, Painlevé, Rateau, Douvillé, and Le Chatelier. This triennial 50,000-fr. prize, open to Frenchmen or foreigners, is for new and important discoveries in chemistry, physics, natural history, medical science or mathematics.

EXT. POESIÆ AMAR.—Dr. Dorveaux prints in the "Bulletin des Sciences Pharmacologiques" some verses of a hundred years ago, the MS. of which was bequeathed to him by Professor Bourquelot. The lines are evidently written by a pharmacist whose premises were inspected only too well by the powers that be, and are bitter and ill-natured satire on Deyeux, Guiart, Cheradame, and Bouillon-Lagrange.

A PROLIFIC TABLE.—"This is Ampère's laboratory," said Prof. Daniel Berthelot to the distinguished audience which crowded the great hall of the Surbonne on November 24, pointing to a little table, a foot square, surmounted by a quantity of rods and wires. "It was made by a village blacksmith. All that electricity represents to-day, in the hands of mankind, all that it may represent later, comes from this table."

M. WAGNER, whose death is reported from Strasbourg, had occupied the post of inspector, the highest pharmaceutical rank in the French Army. Born in 1855, he qualified at Paris in 1878, and after spending the greater part of his life at Tunis, Marseilles, and Oran, came back to the capital in 1905 to fill a post at the Invalides. He became director of the Central Army Pharmacy there in 1905, and was appointed a member of the Technical Sanitary Committee in 1914. He had only recently been placed on the retired list.

THE FRENCH PHARMACEUTICAL STUDENTS' FRIENDLY ASSOCIATION has organised a series of lectures on chemical and galenical pharmacy, with practical instruction in the identification of drugs and materia medica. The invitation points out: "At our meetings apprentices will find, not professors, but comrades and elders, who will find pleasure in indicating to them the thousand little 'dodges' transmitted from generation to generation, which will enable them to avoid all error on examination day." The Association has a good collection of drugs, mostly presented by Parisian wholesale houses.

VACCINE LYMPH.—Dr. Roux, of the Pasteur Institute, informed the Academy of Sciences at the recent meeting that MM. Levaditi and Harvier had studied the question of purity of the lymph, following up the work of Calmette, Guerin, and Marie. Noguchi's system of inoculating the interstitial gland of rabbits with vaccine pulp, and then proceeding to transfer the virus from this gland to the brain of another rabbit was followed. The interest of the experiments lies in the possibility of thus obtaining pure virus in considerable quantities in the brain of rabbits or heifers. M. Guérin has inoculated several heifers at the Lille Pasteur Institute, and the results of his experiments are awaited with much interest.

HERR STINNES' PROJECTS.—The Parisian newspaper "Le Figaro" aroused some interest last week by publishing an article in which it is announced that Herr Stinnes had gone to England for the purpose of organising a trust in dye products and chemicals in general. This statement was completed by a rumour that a well-known banking firm was interested in the project. The writer of the article in question is M. Denys Cochin, of the French Academy, a respected politician, who held Cabinet rank during the war. Consequently some credence has been attached to his statements, though no confirmation has been, so far, obtainable here. However, M. Cochin adopts the statement in question as a text for an article on the French chemical trade, premising by saying that the information in question has pained him more than anything published since the war.

WHAT IS A PHARMACEUTICAL BEARD?—Madame Colette, the Parisian novelist, published her impressions of the Landru trial in a leading Parisian daily, and incidentally mentioned that a fellow-reporter had remarked, Landru has a "pharmaceutical beard." A recent French decree gives the "right of reply" in cases of personal attacks by the Press, and the daily in question had to publish a counterblast, signed "L. Mauriès, secrétaire du syndicat de preparations en pharmacie," to the effect that "As secretary of the Paris Chemists' Assistants' Association I cannot allow an assertion to pass which is capable of throwing discredit on the whole body. I went yesterday to the Versailles Assizes personally to judge of the famous offender's beard. I agree with Colette that Landru's face is neither genial nor lucid, but I add that his beard has nothing specifically pharmaceutical about it, and that it is derogatory to my bearded colleagues in general—and to myself in particular—to proclaim our resemblance to this modern Bluebeard."

PARIS SOCIETY OF PHARMACY.—At the November meeting presided over by M. Bougault, M. François presented three papers. The first, by M. Lecoq, was on the "Saccharose Effect of Diastase." In every case the production of maltose is at a maximum temperature of 75° C. A second note, presented by M. François, was by M. E. Collard, jun., on the "Analysis of Certain Codex Pomades." M. François's third note was on his "Process of Determining Mercury in the Four Mercurial Pills of the Codex" (Dupuytren's, simple mercurial, blue, Ricord's). He destroys the organic matter with nitric acid at 95° C. and precipitates metallic mercury with formol. He incidentally carried out the process on English blue pills "without difficulty," and adds that the B.P. blue pill is very much the same as the French. M. Cousin read a paper by M. Aubry (a hospital house pharmacist) on the "Presence of Bismuth in Urine." M. Richaud presented M. Clogne's ureometer, which can be used for the urea of blood as well as of urine.

Legal Reports

Deficient Camphorated Oil.—At Wolverhampton Police Court, on November 23, Ernest George Botwood, Ash Street, was summoned for selling camphorated oil 8 per cent. deficient in camphor. Evidence was given to the effect that an inspector visited defendant's shop and purchased 4 oz. of camphorated oil. It was served from a large bottle marked "B.P." On analysis the oil was found to be deficient as stated. Defendant was fined 20s., with 15s. 9d. analyst's fee.

Defective Weights.—At Aylsham, on November 29, Mr. Frank Edward Buckingham, Ph.C., was summoned for having in his possession a false 2-oz. weight and an unstamped ½-dr. weight. An inspector of weights and measures admitted that these weights had been previously examined and passed. Mr. Buckingham expressed his regret, and said it was only a year since the weights were passed. The Bench dismissed the case in regard to the 2-oz. weight, and imposed a fine of £1 for the possession of the unstamped weight.

Paregoric Case at Bloemfontein

Judgment was given at Bloemfontein, O.F.S., on October 31, by Mr. P. C. Cochran, R.M., in the case of Rex v. Mendelsohn, which has attracted considerable attention locally as a test case. Reviewing the case, the magistrate said that the facts were:

(1) On September 13 a constable, who was an inspector under the Food and Drugs Act, Ordinance 32 of 1906, entered the premises of the accused, a general dealer, and asked him for "paregoric." He was supplied with six small bottles, on which the word "Paregoric" appeared conspicuously. The bottles were labelled with the words, "Dr. Samuel's Paregoric," and there were also instructions how to take the medicine. The inspector informed accused that he was purchasing the medicine for the purposes of Government analysis. (2) The sample was analysed, and it was found that it did not contain tincture of opium. (3) The article actually sold was "Dr. Samuel's Paregoric," and, according to the evidence, this is a well-known and long-established Dutch medicine, which is manufactured in Bloemfontein from a formula which the owner declined to disclose. It was sold largely throughout South Africa, and had been so sold for many years, and was well known to the most ignorant classes of the population as paregoric. It was non-poisonous and innocuous. (4) Paregoric was well known throughout the civilised world, and wherever it was used, with the possible exception of South Africa, it was understood that tincture of opium was an essential constituent. It was maintained on behalf of the Crown that the constable did not receive what he asked for. For the defence, the main points had been argued: (1) That the article sold was a proprietary medicine and covered by Section 2 of Article 3 of the Act, which made Section 3 inapplicable to proprietary medicines. (2) That there was no legal standard established under the Food and Drugs Act, and, therefore, the definition of "paregoric" in the British or any other Pharmacopœia could not be applied to this country. (3) That no prejudice to the constable had been established. (4) That as "paregoric" as defined in the Pharmacopœia contains poison which it was illegal to sell, the constable could not compel the accused to sell him anything which he could not legally sell.

He (the magistrate) could find no definition of the words "proprietary article," but from the evidence he had to accept as a fact that Dr. Samuel's Paregoric was a proprietary article. In this case the purchaser had asked for a certain drug and received a proprietary article lacking an essential constituent of the drug he asked for. If he had asked for a proprietary article and received it, even though it was lacking in an essential constituent, the accused, he thought, would be exempt under the statute. It seemed that the offence lay clearly in the fact that the article sold differed from the article demanded, otherwise it would be perfectly simple for anyone to make up any well-known drug which would be frequently asked for, and to sell it as such without penalty, merely because he kept a secret formula for it which lacked an essential constituent. He could not believe that the Legislature intended any such thing, and in his opinion, in order to fall within Sub-section 2, both the drug asked for and the drug supplied must be proprietary medicines. The second contention for the defence was that there was no legal standard in the Free State, or, in other words, that anything sold as "paregoric" could vary in its constituents. The Medical and Pharmacy Ordinance No. 1 of 1904 gave power to general dealers to sell poisons and Dutch medicines containing poisons under certain conditions, and under the Schedule attached to the Act giving a list of Dutch medicines containing poison was the word "paregoric." Section 40 of the Ordinance laid down that all chemists and druggists should purchase their medicines in accordance with the British Pharmacopœia, unless otherwise directed by a medical practitioner. Ordinance 14 of 1907 repealed the Schedule of the 1904 Act and substituted another which did not contain the word "paregoric," and it made it lawful for general dealers to sell patent and Dutch medicines containing poison, and also to sell tincture of opium under certain conditions. There was no legal standard set out in the Food and Drugs Act, though the Governor had power to establish such. But even in England there was no legal standard laid down, though the Courts had always assumed that the British Pharmacopœia was the accepted standard. Could such an assumption be made in South Africa? They therefore came back to the original question of whether the constable asked for a Dutch medicine which was proprietary, or whether he asked for a medicine containing the constituents regarded as essential throughout the civilised world. His own evidence on the point was not very satisfactory. He may have got what he expected, but whether he got what he asked for depended upon whether the word "paregoric" had a specific meaning in this country. The evidence of Mr. Prophet, a retail chemist, who may sell poisons, on that point was somewhat remarkable. He stated that when a person came into his shop and asked for "paregoric" he supplied some people with B.P. paregoric and others with Dr. Samuel's, the criterion in each case being the intelligence of the purchaser. Natives and the most ignorant class of whites were supplied with Dr. Samuel's, the more intelligent whites being supplied with genuine paregoric containing opium. That may or may not have been the general practice, and Mr. Prophet explained it by saying that the more ignorant classes might kill themselves if he gave them the poisonous drug, and that they got the drug they expected to get. So the whole case seemed to hang merely on the point whether the word "paregoric" had a specific meaning in South Africa. In view of the fact that it was so all over the world, and that only among certain classes in South Africa had it any other meaning, he was inclined to the view that in the absence of a standard the Court was entitled to assume a standard as they had done in England. Whether the standard was that of the B.P. or not seemed of small moment in the case, as, according to Dr. Lewis, one of the constituents of "paregoric" in all Pharmacopœias was "tincture of opium." He (the magistrate) therefore found the accused guilty, and a nominal fine of £1 would be imposed, as the prosecution was more in the nature of a test case.

Notice of appeal was given.

Gazette

Bankruptcy Acts

ADJUDICATION

BOWMAN, A., 44 Thornton Road, Stanwix, and the Lowther Arcade and 1 Rickersgate, Carlisle, drug-store proprietor.

IT is reported from Ellesmere, Shropshire, that thousands of fish in a local lake have been thrown up to the surface, apparently by the agency of some poisonous substance. The matter is being investigated.

New Companies
and Company News

P.C. means Private Company and R.O. Registered Office

AMAMI, LTD. (P.C.).—Capital, £100. Objects: To carry on the business of manufacturers of and dealers in chemicals, pharmaceutical, medicinal, industrial, or other preparations, etc., in the United Kingdom or elsewhere. R.O.: 4-10 Chenies Street, Tottenham Court Road, London, W. 1.

A. B. RICHARDS, LTD. (P.C.).—Capital, £5,000. Objects: To take over the business of a pharmacist, chemist and druggist, drysalter, seedsman, and oil and colour man carried on at Southport, Lancs, by A. B. Richards. The permanent directors are: A. B. Richards, J. B. Richards, and S. C. Richards. R.O.: 179 Lord Street, Southport.

BROWN, GRAY & CO., LTD. (P.C.).—Capital, £2,000. Objects: To carry on the business of manufacturing chemists' and druggists' sundriesmen, drug-grinders, importers, exporters, makers of and dealers in proprietary articles, etc. The first directors are: J. Brown and J. Gray, wholesale druggists, 548 Argyle Street, Glasgow. R.O.: 548 Argyle Street, Glasgow.

NEWTON, ROBERTS & CO., LTD. (P.C.).—Capital, £2,000. Objects: To acquire the business carried on at 40 Great Pulteney Street, W., as "C. E. Newton," to adopt an agreement with J. A. Watts, C. E. Thirkettle, and Mabel Watts, and to carry on the business of manufacturing photographic apparatus and chemical, optical, cinematographic, electrical, scientific, and mechanical instruments, etc.

TRAVERS & CLARK, LTD. (P.C.).—Capital, £2,000. Objects: To adopt an agreement with M. T. Travers, F.R.S., D.Sc., F.I.C., F.I.P., and F. W. Clark, M.I.M.E., and to carry on the business of consulting chemists and engineers, designers, gas engineers, water and gas specialists, etc. The life directors are: M. W. Travers, Beacon Hall, Priory Gardens, Highgate, N.; and F. W. Clark, Fieldhead, Maltmans Road, Lymm, Cheshire, engineer. R.O.: Royal London Buildings, 195 Deansgate, Manchester.

BRITISH MEDICAL AND SCIENTIFIC GLASSWARE CO., LTD. (P.C.).—Capital, £1,000. Objects: To carry on business as indicated by the title and that of manufacturers of, agents for, and dealers in surgical instruments, hospital furniture and equipment, medical appliances, and scientific apparatus, etc. The first directors are: W. A. Horrox, Hazelbank, Durfold Hill, Warnham, Sussex; C. Newman, 13 Polworth Road, Streatham, S.W.; J. J. Young, The Nook, Bushey, Herts; and J. Dickinson, 125 High Street, Putney Common, S.W. R.O.: 15 Bateman Street, Dean Street, Soho, London, W.

MOUSMÉ CO., LTD. (P.C.).—Capital, £500. Objects: To adopt an agreement with Rupert O'Hea, F. E. Thompson, C. M. Castle, H. E. Castle, and L. H. D. Castle, and to carry on the business of dealers, traders, merchants, manufacturers of toilet and medical requisites, dealers in treatments, lotions, washes, preparations, perfumeries, essences, tonics, sprays, douches, dressings, restoratives, soaps, oils, ointments, etc. The first directors are: Rupert O'Hea, F. E. Thompson, and H. E. Castle. R.O.: 21 St. Helen's Place, Bishopsgate, London, E.C. 3.

JOINT STOCK COMPANIES.—Notice is given in the "London Gazette" that the following companies will, unless cause is shown to the contrary, be struck off the Register and the companies be dissolved after February 11: Barytes (Manchester), Ltd.; Birkett Chemical Co., Ltd.; Cellulose Products Syndicate, Ltd.; Evans' Drug Stores, Ltd.; Imperial Quinine Co., Ltd.; Pearson's Soap Works, Ltd. Unless cause is shown to the contrary, the following companies will be struck off the Register and dissolved after February 18: Antiseptics, Ltd.; Bute's Pharmacy, Ltd.; Cosmo Chemical Co., Ltd.; Kent Toilet Requisites, Ltd.; Walbrook Pharmacies, Ltd.; West End Manufacturing Perfumery Co., Ltd.

Bankruptcy Reports

Re Benzoates, Ltd., 113 High Street, Watford, Hertfordshire.—The following are among the creditors: A. Bishop, Ltd., £114; British Standard Exporters, £19; Menley & James, Ltd., £50; H. N. Morris & Co., Ltd. (Manchester), £2,270; V. C. North, £1,500; V. C. North & Co., £82; C. E. Sage, £52.

Re Nagels & Co., 51 Fenchurch Street, London, E.C., chemical merchants.—A sitting of the London Bankruptcy Court was appointed to be held on November 25, before Mr. Registrar Francke, for the public examination of this debtor, against whose estate a receiving order was made last August on the petition of Messrs. John Elton & Co., Ltd. Mr. F. T. Garton, Official Receiver, reported that the debtor, who had traded under the style of Nagels & Co., had not surrendered to the proceedings, and was believed to have gone to Antwerp. His honour adjourned the sitting *sine die*.

Re Emil Frederick Bush, 120 High Road, New Southgate, chemical merchant. The following are among the creditors: British Alizarine Co., Ltd., £222; British Cellulose Co., Ltd. (Derby), £21; British Ultramarine Co., Ltd. (Stratford), £10; Cornbrook Chemical Co., Ltd. (Stockport), £27; Cutter Hill Colour and Chemical Co., Ltd. (Manchester), £11; T. & W. Farmiloe, Ltd., £15; Golden Valley Ochre and Oxide Co. (Bristol), £98; W. H. Hobbs & Co., Ltd., £26; Hallyar & Cole, £11; B. Laporte, Ltd. (Luton), £47; Dex, Ltd., £8; A. White & Sons, Ltd., £7.

Re Lambert Cahen, 79 Coleman Street, London, E.C., merchant.—The first meeting of creditors under this failure was held on November 21, before Mr. W. P. Bowyer, Senior Official Receiver, at the London Bankruptcy Court. It appeared from the debtor's statements that in April 1919 he formed the Anglo-Continental Mercantile Corporation, Ltd., in conjunction with another person. The capital was £5,000 in £1 shares, of which he received 40 per cent. and his partner 60 per cent. Neither of them put any cash into the company, which carried on the business of chemical and general merchants. The debtor, as a director, was to receive a salary of £800 per annum, but in July last he resigned office, and the company, although still in legal existence, has no officers and no assets. No accounts had been lodged, but the debtor roughly estimates his liabilities at £1,800, and his only assets are 2,960 shares in the company, regarded as of very doubtful value. Bad trade is the cause assigned for the failure. In the absence of any offer the case was left with the Official Receiver to be wound up.

Re Steadman Bros., Cubitt Town Wharf, Cubitt Town, formerly of Catherine Street, Hoxton, London, N.—The first meeting of creditors under this failure was held recently before Mr. W. Boyle, Official Receiver, at the London Bankruptcy Court. The receiving order was made on November 10, upon a creditor's petition. It appeared that the debtors, two brothers, entered into partnership and commenced business at 1 Catherine Street as machinery merchants, but they gave it up in 1919 and made an arrangement for a certain firm to manufacture soap for them at the firm's factory, on the terms that the said firm provided the raw materials and advanced the necessary capital, taking in return one-half of the profits. After running that business for three months the soap market collapsed, and the debtors started to trade in chemicals. They did fairly well till September 1920, when the demand ceased, with the result that they had left on their hands a stock of chemicals which was realised at a heavy loss. The failure was further due to an adverse award in an arbitration in respect of the delivery of chemicals not up to standard. The debtors paid the award and had recovered judgment against the original vendors, but the business was now closed. No statement of affairs had been lodged, but the debtors roughly estimated their liabilities at £5,000, and had no assets, except a small quantity of low-grade soap, upon which there may be a lien. In the absence of any offer, the case was left with the Official Receiver to be wound up in bankruptcy.

Dangerous Drugs Act

Scottish Public Analysts

The following are the names of public analysts in Scottish counties and burghs who may possess "dangerous" drugs. A similar list for England and Wales was published in the *C. & D.*, November 19, p. 65.

Biggart, J. W. & W. L. (Ardrossan; Argyllshire; Ayrshire; Bute; Campbeltown; Cumnock; Darvel; Dunoon; Galston; Girvan; Gourock; Greenock; Inverary; Kilwinning; Largs; Lochgilphead; Maybole; Millport; Newmilns; Oban; Port Glasgow; Prestwick; Rothesay; Saltcoats; Stewarton; Tobermory; Troon). 29 Cathcart Street, Greenock.

Clark, R. M. (Ayr; Barrhead; Biggar; Dornoch; Dumbarton; Irvine; Helensburgh; Kilmarnock; Lanarkshire; Motherwell; Paisley; Renfrew; Renfrewshire). 138 Bath Street, Glasgow.

Dargie, A. (Aberfeldy; Abernethy; Alyth; Anstruther—Easter and Wester; Arbroath; Auchterarder; Auchtermuchty; Blairgowrie; Brechin; Buckhaven; Burntisland; Callander; Carnoustie; Coupar-Angus; Cowdenbeath; Crail; Crieff; Culross; Cupar; Dollar; Doune; Dunblane; Dundee; Dunfermline; Dysart; Earlsferry; Elie; Falkland; Fifeshire; Forfar; Forfarshire; Inverbervie; Inverkeithing; Kilrenny; Kinghorn; Kirkcaldy; Kirriemuir; Ladybank; Laurencekirk; Leslie; Leven; Lochgelly; Markinch; Monifieth; Newburgh; Newport; Perthshire; Pittenweem; Rattray; St. Andrews; Stonehaven; Tayport; Tillicoultry). 140 Perth Road, Dundee.

Davidson, J. (Annan; Castle-Douglas; Dalbeattie; Dumfries; Dumfriesshire; Gatehouse; Kirkcudbright; Kirkcudbrightshire; Langholm; Lochmaben; Lockerbie; Maxwelltown; Moffat; New Galloway; Newton-Stewart; Sanquhar; Stranraer; Whithorn; Wigtown; Wigtownshire). Irish Street, Dumfries.

Dodd, A. S. (Alva; Bathgate; Burghead; Edinburgh; Galashiels; Hawick; Invergordon; Jedburgh; Kelso; Kinross-shire; Lossiemouth; Melrose; Morayshire; Musselburgh; Orkney; Peebles; Queensferry; Roxburghshire; Selkirk; Selkirkshire; Stromness; Wick). 20 Stafford Street, Edinburgh.

Drinkwater, Dr. (Forres; Fortrose; Inverness; Ross and Cromarty). Surgeons' Hall, Edinburgh.

Gemmell, G. H. (Alloa; Bo'ness; Clackmannanshire; Kirkwall; Linlithgow; Thurso). 4 Lindsay Place, Edinburgh.

Harris, F. W. (Glasgow). City Analyst's Office, Glasgow.

Jamieson, T. (Aberdeen; Kintore; Rosehearty; Tain). 10 Belmont Street, Aberdeen.

Ritchie, Dr. J. (Annan; Dumfries; Dumfriesshire; Langholm; Lochmaben; Lockerbie; Moffatt, Sanquhar). Dumfries.

Stevenson, McA. (Armadale; Berwickshire; Bonnyrigg; Cockenzie; Coldstream; Cromarty; Dalkeith; Dingwall; Dunbar; Duns; Elgin; East Lynton; Eyemouth; Haddington; Haddingtonshire; Hawick; Innerleithen; Kinross; Lasswade; Linlithgowshire; Lauder; Lerwick; Loanhead; Midlothian; North Berwick; Peeblesshire; Penicuik; Prestonpans; Stornoway; Tranent; Whitburn; Zetland). 55 York Place, Edinburgh.

Tatlock, R. R. (Glasgow; Johnstone). Glasgow.

Tatlock & Thomson (Airdrie; Bridge-of-Allan; Clydebank; Coatbridge; Cove and Kilcreggan; Denny; Dumbartonshire; Falkirk; Grangemouth; Hamilton; Kilsyth; Kirkintilloch; Lanark; Milngavie; Motherwell, Wishaw area; Perth; Stirling; Stirlingshire). 156 Bath Street, Glasgow.

Thomson, R. T. (Johnstone; Rutherglen). Glasgow.

Tocher, J. F. (Aberchirder; Aberdeenshire; Aberlour; Ballater; Banchory; Banff; Banffshire; Buckie; Caithness-shire; Cullen; Dufftown; Ellon; Findochty; Fort-William; Fraserburgh; Grantown-on-Spey; Huntly; Inverness-shire; Inverurie; Keith; Kincardineshire; Kingussie; Macduff; Montrose; Nairn; Nairnshire; Old Meldrum; Peterhead; Portnockie; Portsoy; Rothes; Sutherlandshire; Turriff). 41½ Union Street, Aberdeen.

Channel Islands Extension

The Jersey States on November 28 considered a letter from the Lieutenant-Governor transmitting a letter inquiring whether the States had prepared a Dangerous Drugs Act, inasmuch as the adoption of such a measure was imperative in order to bring the Island into line with similar legislation on the mainland. Jurat Payn said a measure dealing with that subject had been lodged au Greffe. The measure was taken as read, to be printed and distributed.

Forged Prescriptions for Morphine

At Marylebone Police Court, London, on November 29, Ernest Herman Ford, Colville Terrace, Bayswater, described as an agent, was charged with having in his possession two tubes containing ½-gr. tablets of morphine [sulphate?], and with forging and uttering three requests each for two such tubes. The accused pleaded "Guilty" to the first of these charges. A detective-sergeant stated that he stopped Ford outside a chemist's shop in Leinster Terrace; the accused then produced two tubes of the tablets, a bottle of adrenalin-chloride solution, a bottle of distilled water, and a hypodermic syringe. He was arrested and admitted that he had written several prescriptions. "Any doctor," he said, "would prescribe morphine for me, but I hadn't the money to pay their fees. I suffer badly from asthma." The officer pointed out that the accused had signed the names of two doctors. The magistrate, remarking that he was satisfied that Ford was not a victim to the vice of drug-taking, imposed a fine of £10 for being in unlawful possession of morphine.

The Cocaine Habit

Sir Basil Thomson, who has just retired from Scotland Yard, is giving a series of very interesting memories in "The Times." The following reference is made to the cocaine habit in the issue of December 1:

Soon after the beginning of the war drastic steps had been taken about the drug habit. Cocaine was said to have been introduced by Americans or Canadians, and it soon spread very widely and threatened to impair the efficiency not only of the soldiers, but of the civilian population as well. There is only one way of dealing with this kind of vice. You must make the risk so great and the cost of the drug so prohibitive that the traffic ceases to be remunerative. This entailed legislation, and at that time legislation by Order in Council was comparatively easy and swift. It then became a matter of police efficiency.

I have never been able to determine whether the craving for cocaine was a war manifestation or merely a vice that any person is able to acquire. The drug was sold to unfortunate women in the streets at prohibitive prices by scoundrels who carried little packets of it about with them, and the women retailed it to soldiers. I am inclined to think that war excitement was largely responsible, because about the same time there was a recrudescence of opium-smoking, and in a certain den which was raided a very curious collection of Chinese opium pipes came into the possession of the authorities. Traps had to be set; the traffickers fell into them without more ado, and a few exemplary sentences did the rest. Therefore the price rose a hundredfold, and, though the traffic is not dead, few people could be found to take the risk of a long term of imprisonment.

The great difficulty about opium, cocaine, and the allied narcotics is the ease with which they can be concealed. At a time when the traffic became too dangerous as a means of livelihood in England we received information that a couple had sailed for the Far East with enough opium and cocaine to stupefy an entire Chinese province. But the cables outstrip steamers, and the Customs officers at Hong Kong were waiting for them. Externally their luggage was just what a well-to-do couple might be expected to carry on a trip round the world, but when the trunks were opened the sides and bottoms were found to be quite unusually thick. Further investigation with a sharp knife revealed a false lining to them all, the intervening space being packed with drugs to the value of nearly £10,000.

Dispensing in Poor-law Institutions

In the "Poor-law Officers' Journal" Mr. R. W. Leach, B.L., writes on the position in poor-law institutions under the Dangerous Drugs Act. After reviewing the genesis of the Act and the Regulations, and dealing with the case in which the dispensing is done by a qualified

dispenser, the article proceeds to deal with those instances where dispensing is not done by doctor or dispenser.

Now as to those institutions in which the dispensing is not done by a medical practitioner or qualified dispenser. If reference is made to No. 5 condition of the Second Schedule of the Order it will be seen that, "except so far as they are modified by the foregoing provisions, the requirements of the Regulations shall be observed." The task of finding which or how much of the Regulations remains to be observed is not easy, and it is a matter for complaint that in a matter in which such heavy penalties exist the Home Office could not have been more explicit. The Schedule (conditions 2 and 3) directs that the matron or acting matron shall keep the drugs under lock and key; and "shall only use or administer the drugs in accordance with the directions of the medical practitioners attached to or attending the hospital." These words, though they constitute an authorisation for the matron or acting matron to be in possession of the drugs, are not an authorisation for the matron or acting matron to "supply" or "procure" the drugs for the patient within the meaning of the Regulations. No. 9 of the Regulations requires a person who "supplies" drugs within the meaning of the Regulations to keep records of the disposal of the drugs of which he is in possession. The Second Schedule of the Order, which requires the matron or acting matron to keep the record of the supplies received, requires no such record to be kept (as does the First Schedule) of the disposal of the drugs. Are, then, no records to be kept of the disposal of the drugs? And, if not, what is the explanation? The explanation put forward below is one arrived at after some hesitation, and it is given in no spirit of certainty.

It will be remembered that no person can receive a dangerous drug or a medicine containing such a drug without a licence or authority, even as a patient, unless either (1) the drug has been lawfully dispensed in pursuance of a prescription in accordance with the conditions specified in Nos. 5 and 6 of the Regulations, one of the conditions in No. 5 being that the prescription must specify the name and address of the person for whose use the prescription is given; or that (2) the drug is administered by or under the direct personal supervision of a medical practitioner. We are here concerned with hospitals in which medicines are not dispensed. Therefore either the dispensing must have been done before the drug was received at the hospital, or the drug must be administered by the medical practitioner personally. It would, therefore, appear that condition No. 3 of the Second Schedule of the Order, which directs "The matron or acting matron shall only use or administer the drugs in accordance with the directions of the medical practitioners attached to or attending the hospital," must be confined to drugs made up on prescriptions outside the hospital. But how about stock preparations? It is submitted that in respect of preparations made up by a dispenser on a prescription, No. 5 of the Regulations which requires that a prescription must specify the name and address of the person for whose use the prescription is given will be sufficiently satisfied by inserting generally "the patients" of the hospital in question. But with a prescription for the making up of stock prescriptions there must be delivered the certificate of the medical practitioner that the supply is necessary for the treatment of the patients, in accordance with No. 1 of the conditions in the Schedule. It is submitted, as regards preparations ordered from wholesale druggists otherwise than on "prescription," as that expression is usually understood, that the order and certificate of the medical practitioner, given in pursuance of the conditions, will stand in place of the prescription required by the Regulations.

Now as to the records of disposal of the goods. Medicines received from outside on the prescription or order of a medical practitioner are received by the matron or acting matron as for that patient, and, as in the case of a patient in a private house, no records are required. The Regulations apply to the person who dispenses the medicine out of the drugs in his possession, and where the drug has been converted into the medicine on the prescription no further record to trace its consumption is required. It is submitted that preparations received into stock on the medical officer's certificate, as aforesaid, are in the same position. That is to say, all the records required are kept by the person who makes up the prescription or the preparation. In these cases, therefore, neither the Regulations nor the conditions in the Second Schedule attached to the Order require records of disposal to be kept. The remaining question is as to drugs administered by the medical practitioner himself or under his personal supervision. No. 4 of the Regulations provides that when drugs are so administered they shall not be deemed to be supplied "within the meaning of this and the following Regulations." The Regulation which requires records to be kept, *inter alia*, of the disposal of drugs "by every person who supplies the drugs" is No. 9, and is therefore a "following Regulation" within the meaning of Regulation No. 4. It would not, therefore, appear that No. 9 applies in such a case, and therefore that it is not necessary to keep any records. But it is submitted that it would be advisable to keep such a record, and that the only person to keep the record is the medical practitioner using the drug. The Regulations are badly drafted, and the conditions of the Second Schedule read with the Regulations furnish many difficulties. It is conceived that it was not the intention of those who drafted the conditions in the Order and the Regulations that dangerous drugs not made up into stock preparations or dispensed on a prescription should be received into a hospital without some record being kept of their disposal. The safe course, therefore, is to keep a record. Matrons and acting matrons should also make themselves acquainted with and follow the directions of No. 8 of the Regulations as to the marking of packages and bottles, and of No. 13 as to delivery to messengers.

"Dictionary of Difficulties"

THIS booklet, which explains difficulties in interpreting the Dangerous Drugs Act and Regulations, is the only publication of its kind, and should be kept handy by all "authorised" persons dealing in "dangerous" drugs. It measures 6 in. by 3½ in., and consists of forty pages. The booklet is particularly suitable for distribution to members of local Associations, as it forms a useful companion to the *C. & D.* Card for Chemists, of which many thousands have been sold.

The secretary of a local Association, who obtained a supply, reports: "The little 'Dictionary of Difficulties' sold like hot cakes at the meeting last night. The members were surprised at the amount of information it contains."

The price of the "Dictionary of Difficulties" is 6d., post free, or, where required in quantity by Associations and others, 4s. 6d. per doz. (in envelopes), carriage paid. *Cash should accompany orders.*

Chemists' Card

This card, measuring 10 in. by 12½ in., and provided with a cord for hanging up, gives a concise summary of the Regulations under the Dangerous Drugs Act, which came into force on September 1, 1921, and, in addition, a table showing the percentage of cocaine, diamorphine, and morphine in various official and unofficial pharmaceutical preparations. A method is also given for finding out whether prescriptions containing "dangerous" drugs or their preparations require to be treated with the formalities laid down in the Regulations. It is supplied at the following prices for *cash with order*:

	s.	d.
Per card, post free	1	0
3 cards ,, ...	2	9
12 ,, ,, ...	10	0
25 ,, ,, ...	20	0
100 ,, carriage paid	60	0

Prescribers' Card

The purpose of the Prescribers' Card is to supply medical men, and also dentists, veterinary surgeons, and others with information in a concise form regarding the Dangerous Drugs Act Regulations, so that they will know exactly what formalities are needed when prescribing "dangerous" drugs. The card is suitable for sending to local practitioners, and we should be glad if chemists would undertake this. The "Notes for Prescribers" show the limits of cocaine, diamorphine, morphine, and opium that can be ordered without bringing the prescription within the Dangerous Drugs Act. The cards measure 7 in. by 3½ in., and are printed on both sides. Each card is placed in a specially made envelope, so that with the name and address of the practitioner it can be delivered by hand or sent by post at "Printed Matter" rate. The cards will be supplied at the following prices (including envelopes), post free for *cash with order*:

	s.	d.
One dozen cards (minimum quantity) ...	1	6
Three dozen	4	0
Twelve dozen and over ... (per dozen)	1	3

Festivities

A Boots Social Gathering

THE Blackpool staff of Boots, Ltd., chemists, held their annual gathering on November 24. Military whist proved very popular, the prize-winners being Misses B. and J. Strickland, Mr. H. Lockwood, and Miss A. A. Smith; the consolation prizes went to Mrs. Stead and the Misses Hollis, Clitheroe, and Todd. Mr. F. J. Roberts was M.C.

Oldham Ucalites' Whist-drive

ON November 22 a whist-drive was held by the Oldham and Rochdale branch of the Ucal Federation. The ladies' prizes were presented by the Rochdale members and won by: (1) Mrs. Nall; (2) Mrs. Butterworth. *Gentlemen*: (1) (presented by Mr. C. H. Griffiths), Mr. Bromiley; (2) (presented by Mr. T. Marlor, Oldham), Mr. W. Nall; (3) (presented by Mr. F. Newby, Oldham), Mr. F. Davies.

Whist-drive at Ealing

THE Ealing Pharmacists' Association held a whist-drive on November 24, at Acton, when there were about 220 people present. The prizes, given by wholesale druggists, were presented by Mrs. T. Marns (wife of the President) to Mesdames Arrowsmith, Shattock, Irwin, Jones, Cole, and Clears; Misses Merry, Dawkin and Davis; and Mr. F. Lutty. Mr. Arnold Roberts (social secretary) and Mr. H. R. Storm (secretary) acted as M.C.'s. The proceeds will be given to the Pharmaceutical Society's Benevolent Fund.

Southport Chemists' Dinner

THE Southport Pharmacists' Association held a dinner on November 23 at the Queen's Hotel. There was an attendance of about ninety, including many visitors and ladies. Mr. A. H. Messenger (President) was in the chair, and others present included visitors from the Liverpool Chemists' Association. After the toasts an excellent concert was submitted, the artists including, in addition to the quartette party, Miss Wright, Mr. W. Wright, Mr. W. Messenger, and Mr. Phillips. A vote of thanks to the artists was passed, and the President, who had played the accompaniments, responded. The happy gathering concluded with "Auld Lang Syne."

Edinburgh Golfers at Whist

UNDER the auspices of the Edinburgh Chemists' Golf Club a whist-drive was held on November 23. There were about one hundred ladies and gentlemen present, presided over by Mr. E. Brindle, captain of the club, and an enjoyable evening was spent. The club presented eight handsome prizes, and two special prizes were donated by Mr. McIlwrick (of Breidenbach, Ltd.) and Messrs. Alex. Finlay & Co., Belfast. The following were the prize-winners: *Ladies*—(1) Miss Baxter, (2) Mrs. Kearney, (3) Mrs. Muir, (lowest) Mrs. Dawson. Highest score at half-time, Miss Gilray; lowest, Mrs. Arbuckle. *Gentlemen*—(1) Mr. MacTavish, (2) Mr. ——, (3) Mr. Dickson Brindle, (lowest) Mr. D. Orkney. After the whist-drive a musical party, arranged by Mr. Jas. Muir, entertained the company.

Woolley's Annual Dinner

ON November 24 James Woolley, Sons & Co., Ltd., held their thirty-sixth annual staff dinner at the Grand Hotel, Manchester. The guests (140) consisted entirely of members of the staff and directorate, including Mrs. Woolley (the new director) and ladies of the staff. An enjoyable musical programme followed the dinner, the artists being all employees of the company. Mr. Woolley, on behalf of the company, made presentations to two of the employees—John Stanley and Harry Litherland—in recognition of the completion of fifty years' faithful service. The former, who is still at his work, received a handsome clock, together with a cheque for £25; and Litherland, who ceased work a few weeks ago on account of ill-health, was awarded a weekly sum of money. There were a few speeches, notably those by Mr. Woolley, Colonel Watson, Mr. Gregory, and Mrs. Woolley.

Benevolent Fund Benefits

THE Ladies' Sewing Guild secretaries, Mrs. Skinner and Mrs. Downing, organised a whist-drive and exhibition of work at the Central Pharmacy Club on November 24. The attendance was the biggest ever recorded for such a function at the Club, but in spite of the difficulties arising from overcrowding a most successful evening resulted. Ladies had helped with refreshments, including Mrs. Amos Jones, Mrs. Honiatt, Mrs. Jenkin, Mrs. Keith, Mrs. Skinner, Mrs. Downing, and Mrs. Humphrey, and the surplus was auctioned later by Mr. A. R. Keith. The winners of the whist prizes were: *Ladies*, Mrs. Reade, Mrs. Phillips, and Mrs. Smith. *Gentlemen*, Mr. F. Perrett and Mr. J. Carter. The prizes were presented by Mrs. A. H. Jenkin. A vote of thanks was accorded to Mrs. Skinner and Mrs. Downing, the result of their efforts being £21 6s. for the Pharmaceutical Benevolent Fund.

Trade-marks Applied for

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1921, p. 300.

(*From "The Trade-marks Journal," November 2, 1921.*)

"VERAMON"; for medicinal chemicals (5). By Chemische Fabrik auf Actien (vorm. E. Schering), 170 Müllerstrasse, Berlin, N. 39. 418,411.

"MAGNOLIA BRAND OIL OF STAR ANISE," with device of magnolia bloom; for oil of aniseed (4). By the Hong-Kong Camphor Estates Co., Ltd., 3 Ice House Street, Victoria, Hong-Kong. 416,232.

"VINEX"; for essences, etc. (42 and 43). By Stevenson & Howell, Ltd., 95A Southwark Street, London, S.E. 1. 417,559/560. (Associated.)

"MICAWBER"; for all goods (42). By Nicholsons (Newcastle-on-Tyne), Ltd., Heaton Junction, Newcastle-on-Tyne. 418,546.

"ROSALIN"; for toilet preparations (48). By J. Dyson & Co., Ltd., South Lane, Elland, Yorkshire. 417,162.

"ELOISE"; for perfumery, etc. (48). By D. H. Evans & Co., Ltd., 318 Oxford Street, London, W. 1. 417,716.

"PAVLOVA" on label device of dancer and signature ("Pavlova" and signature disclaimed); for a toilet cream (48). By A. Dinsley, "Carlton," Ince Avenue, Great Crosby, Liverpool. 417,871.

"RABIA"; for perfumery, etc. (48). By Violet Nathan, 39 Mitchell Street, Old Street, London, E.C. 1. 418,244.

"PELLAVITA"; for perfumery, etc. (48). By Sybil G. Moore, 101-103 Upper Thames Street, London, E.C. 4. 418,461.

(*From "The Trade-marks Journal," November 9, 1921.*)

"JEPSCO"; for all goods (1). By R. Jepson & Sons, Ltd., 27 Northgate, Blackburn, Lancs. 417,952.

"NOVEX"; for photographic chemicals, etc. (1). By Kosmos Photographics, Ltd., Finsbury Pavement, London, E.C. 2. 418,671. (Associated.)

"DEODAR"; for a disinfectant (2). By the Deodar Co., Ltd., 6 Exchange Arcade, Deansgate, Manchester. B 417,374.

"ETHERIUM"; for chemicals (2). By Maude Dickinson, 159 Marine Parade, Brighton. 417,639.

"L'AUBE BRAND"; for copper sulphate (2). By J. H. Dennis & Co., Ltd., 24 Chapel Street, Liverpool. 417,727.

"TOLID" and "PULBIT"; for chemicals (2) and for medicinal chemicals (3). By Farbenfabriken vorm. F. Bayer & Co., Leverkusen, near Cologne, Germany. 418,275/276/277/278. (Associated.)

"KOSSOLIAN"; for veterinary medicines (2). By Day, Son & Hewitt, Ltd., 22 Dorset Street, London, W. 1. 418,620. (Associated.)

"THE ELCO BRAND" on circle, for medicines (3) and for toilet preparations (48); "VINTINT," for menthol cones and blocks (3). By Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool. 414,493/494. (Associated.) 416,818.

"HUCROS"; for medicinal chemicals (3). By H. Crossin, 130 Donegall Street, Belfast. 415,397. (Associated.)

"RECORSAN"; for all goods (3). By G. Bauer, Parkstrasse 4, Bad Nauheim, Germany. 417,814.

"BEWISE"; for ointment (3). By Hopewell & Deakin, 37 Chamberlain Street, Shelton, Stoke-on-Trent. 417,961.

"GLASCOTINE" on half-circle device; for an ointment (3). By T. H. Jones and A. J. Hucker, 58 Thomas Street, Glascote, Tamworth, Staffs. 418,140.

Retail Pharmacists' Union

Bristol.—On November 30 a special meeting of retail chemists was held under the presidency of Mr. Allan Ball. The local branch of the Union has been affiliated to the Chamber of Commerce, at whose offices the meetings will in future be held, and Mr. W. J. Hilliar, the secretary of the Chamber, has been appointed secretary, with Mr. Strode Cosh as hon. secretary. The chairman reported on a conference between representatives of the chemists and the Panel Committee on various matters affecting chemists and doctors, and said it was intended to have a number of such meetings. As a result of the conference it had been arranged that in future any complaint a chemist might have to make should immediately be conveyed to their secretary, who would take it up with the Panel Committee. The Panel Committee would in the same way deal with any complaint lodged by a doctor against a chemist. Approval was expressed of the arrangement, and the sub-committee of four which interviewed the Panel Committee is to remain standing. Rota work was reorganised, and Mr. H. E. Matthews afterwards gave an address on the R.P.U. and its work.

London, S.W.—The first general meeting of the South-West London Branch of the Retail Pharmacists' Union was held on November 22, Mr. E. A. Atkins in the chair. Mr. J. Keall, chairman, and Mr. Keith, member of Executive of the R.P.U., were also present. The following officers were elected: *Chairman*, Mr. E. A. Atkins; *Vice-Chairman*, Mr. E. Skues; *Treasurer*, Mr. D. A. Rees; *Secretary*, Mr. F. G. Wells; *Committee*, Miss Borrowman, Messrs. Bush, Keall, Monaghan, Mason, and Mills. The subscription was fixed at 5s. per annum, with a reduction of 1s. 6d. if a member of the South-West London Chemists' Association; meetings to be held alternately with those of the Association. The President said he could promise the members a full and interesting agenda, and he asked members who have complaints or suggestions to make to write to the secretary. Mr. Keall reported on the Executive meeting held that afternoon, including that body's views for the giving away of P.A.T.A. articles and the cutting of "Glaxo." The chairman stated that 85 per cent. of the employer members of the Association had joined the R.P.U.

Executive Meeting

A meeting of the Executive of the Retail Pharmacists' Union was held at 19 Tavistock Square, London, W.C., on November 22, Mr. J. Keall in the chair. There were also present Messrs. Atkinson, Barnes, Clarke, Currie, Davis, French, Gilleghan, Hague, Hardy, Hindle, Jackson, Keith, Lloyd, Martin, Melhuish, Milner, Nidd, Ridyard, Walshall, Wolff, and Young.

Votes of congratulation were passed to Mr. Rowsell on the occasion of his election as Mayor of Exeter; to Dr. Barnes on his election as President of the Pharmaceutical Society of Ireland; and to Mr. Mallinson on the occasion of his passing the Bar examinations.

National Health Insurance

A letter was read from the Ministry of Health inviting the attendance of representatives of the Retail Pharmacists' Union to confer with representatives of the Ministry on the subject of payment to chemists for the supply of Insurance drugs during the coming year. The invitation was accepted, and a deputation appointed consisting of Messrs. Davis, French, Gilleghan, Nidd, Ridyard, Rowsell, and Wolff, with the chairman.

Other Services

It was arranged that the Union should undertake the compilation of a register of approved pharmacists as *locum tenentes*. It was also agreed that, after careful inquiry, the Union's certificate of approval be given on payment of a small registration fee.

A scheme was fully discussed for providing assistance in regard to members' advertising, whereby suitable blocks, etc., should be provided. It was agreed that this be a service of the R.P.U., but that the secretary make further inquiries as to alternatives and report to next meeting.

It was announced that the accountancy service was in operation, a firm having undertaken the work of assisting members with their bookkeeping, with special reference to income-tax returns. A new simplified cash-book has been drawn up for the use of members, the books being obtainable from the Union's headquarters.

Correspondence

Among the correspondence was a letter from a Northumberland company dealing with underselling by co-operative societies, which the secretary said is being dealt with by the Proprietary Articles Trade Association. In regard to the question raised by the South-West London Branch as to how far it is permissible to give presents with P.A.T.A. articles, a resolution was passed directing the attention of the P.A.T.A. to this matter.

The West Midland Federation asked what the Union is doing with respect to unprofitable proprietaries, and it was pointed out that the Propaganda Committee of the P.A.T.A. has already done much useful work in this direction. A suggestion that a boycott throughout the country should be arranged by the R.P.U. was not approved, but it was decided that a notice should be inserted in the "R.P.U. Supplement" respecting the firms which refuso to receive deputations, and that letters be sent to the R.P.U. branches requesting assistance in opposing, so far as possible, manufacturers of proprietaries on which there is no guaranteed profit.

A resolution from the Sheffield branch was adopted, in which it was intimated that the Committee of the branch had considered the new conditions offered to the subscribers of one of the trade journals with respect to an insurance indemnity scheme, and that they strongly objected to the action taken.

A letter from Leicester embodied a request that the Union approach manufacturers of proprietary articles requesting them to adopt some uniform system of marking by which retailers would at once recognise whether the articles come within the scope of the Dangerous Drugs Act or not. The secretary was instructed to approach a few of the leading firms in the first instance, and report results to the next meeting.

It was arranged that Mr. Hindle would offer to address a meeting of the Birkenhead Association to be held in January.

In response to a request from the Pharmaceutical Society, two delegates were appointed to confer with the Society's Codex Committee on the subject of standards for dressings. Mr. Matthews and the secretary were appointed.

A letter was read from the P.A.T.A. on the subject of $2\frac{1}{2}$ per cent. deduction by wholesalers on P.A.T.A. articles which show only 10 per cent. profit. A fuller reply is to be asked for.

New Books

Bennett, R. R.—*Materia Medica and Pharmacy for Medical Students.* Fourth edition. $6\frac{1}{2}$ in. × 4 in. Pp. 264. 7s. 6d. H. K. Lewis & Co., Ltd., 28 Gower Place, London, W.C. 1. [The third edition was revised in accordance with the British Pharmacopœia, 1914, and this edition has been enlarged by the addition of more information regarding the action and uses of the drugs and the conditions and diseases in which their preparations are given. The aim of the book to provide a concise account of official drugs and preparations has, however, been kept in view. The plan is to group the drugs into general, local, and extraneous remedies, and then according to their action, such as delirifacients, somnifacients, tonics, cathartics, etc., a method which is calculated to fix in the mind the properties of the various drugs of like character. There is a complete dose table at the end, in which both the metric and Imperial systems are used for expressing quantities. A chapter on incompatibilities is particularly useful for prescribers. Mr. C. H. Hampshire, B.Sc., Ph.C., has helped the author in the preparation of the book.]

Brighton Technical College

The opening of the new pharmaceutical laboratories at the Brighton Technical College took place on November 25, and the ceremony was performed by Sir William Glyn-Jones, secretary of the Pharmaceutical Society. He was received at the railway station by a deputation which he afterwards described as "distinguished"—and certainly it had some unusual characteristics. It comprised a number of be-whiskered, top-hatted, frock-coated, and lavishly buttonholed gentlemen, who were students in disguise. The steps and entrance-hall were lined by students armed with pestles and mortars, with which they created a great din as Sir William passed through their ranks, the welcome being emphasised by more young gentlemen with gongs and other instruments of "music." Of the two new laboratories, the larger is used by students entering for the Qualifying examination, and has accommodation for thirty-two, while the smaller is for those who decide to take the Major examination. The equipment, complete and up to date, is a great advance on the previous facilities of the College. Instead of a dark little room with accommodation for only twelve workers, and an equipment insufficient for half that number, there is now a fine laboratory fitted up with everything a pharmacy teacher can desire, where thirty or more workers can do all their operations simultaneously in comfort, and with a "medal board" hanging on the wall to act as a stimulus to further efforts. The whole of the fitting was done by the ex-Service men now in training in the carpentry classes at the College. The College authorities have placed the spacious chemistry theatre at the disposal of the Brighton and Hove Association of Pharmacy for several evening meetings, so that a lantern and room for a bigger audience than can generally be expected may be found. Mr. H. B. Mackie, Ph.C., the principal of the pharmacy department, is giving one or two evenings to the older chemists, in order that they may become *au fait* with the newer apparatus and equipment, and be less at the mercy of the "smart" junior. As mentioned below, Mr. Edmund White is giving a sum of money sufficient to found a medal, which will be awarded annually. The Brighton education committee will help, too, probably by a remission of the fees necessary to take the student on to the Major examination. Dr. Whittington (chairman of the Governors) presided at the ceremony, and said in the course of his remarks that they had had great encouragement and advice from the local branches of the Pharmaceutical Society, Councillor Yates, the chairman of the Brighton branch, having proved a counsellor and friend and a constructive critic. He then reviewed the results of the year, which had been excellent. Sir William Glyn-Jones, in the course of his speech, spoke of the importance of keeping education in the foreground from the country's point of view, and afterwards distributed medals to last year's students as follows: Robert J. Bradford (Eastbourne Association's medal); Thomas C. Collins (Brighton and Hove Association); William Ralph (Hastings Association).

In the evening the Brighton and Hove Association entertained Sir William Glyn-Jones and Mr. Edmund White to dinner at the Old Ship Hotel. Other guests were Dr. Whittington, Dr. Varley (principal of the College), Dr. Clutterbuck, Messrs. Browne and Marchant (Eastbourne Pharmacists' Association), Mr. Wallis (Fry & Co.), and Mr. Wigginton (Arthur H. Cox & Co., Ltd.). About thirty of the local chemists were present. Replying to the toast of "The Pharmaceutical Society," proposed by Councillor Yates, Sir William Glyn-Jones said that the Society was always much encouraged by loyalty among chemists, and looked upon Brighton as an area where he could depend on local support; changing conditions made it ever necessary that the Society should receive all the support that local associations could give. He congratulated Brighton on its magnificent school of pharmacy. Mr. Milner Black proposed the health of the medical profession, to which Dr. Whittington replied with much dignity and humour, referring to the fact that Mr. White had given him help twenty-five years ago at St. Thomas's Hospital. Mr. J. Plowright, in a very able speech, proposed the toast of "The Visitors," coupling with it the names of Mr. Edmund White and Mr. Browne. Mr. White announced, amid much applause, that he was founding a medal in perpetuity, to be competed for at the Brighton Technical College. This medal will be known as the "Edmund White" medal. Mr. Browne also replied. During the evening a capital musical programme was carried out, arranged by the genial secretary, Mr. F. W. Burgess. The artists were Miss Hilda Tuppen, L.R.A.M., Major T. Sutton, and Mr. A. C. Bostel. Much amusement was caused during the dinner by consecutive "wines" between the President and those who had been on the Register for ten, fifteen, twenty, thirty, forty, and forty-five years, a salvo of applause being given to Messrs. Ashton and Balchin, who were able to take wine with the score at forty and forty-five respectively. Great credit is due to the organisers of this successful event—Messrs. Burgess, Flatman, Plowright, Yates, Hockin, and Mackie.

Coming Events

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Wednesday, December 7

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, London, W.C., at 11 a.m. Council-meeting.

Edinburgh Chemists', Assistants', and Apprentices' Association, 36 York Place, at 8 p.m. Proceedings: "A Three Hours' Dispensing Experience," by Miss J. Findlater, and "Some Interesting Mixtures," by Miss J. A. Purdie.

South-West London Chemists' Association, St. Peter's Hall, 2 Manor Street, Clapham, S.W. 4, at 7.30 p.m. Whist-drive. Tickets (3s. 6d. each, double 6s. 6d.) from the Secretary, 260 Brixton Road, S.W. 9.

Portsmouth Pharmacists' Association, County Club, at 3 p.m. Mr. R. P. Page, F.I.C., Borough Analyst, on "The Sale of Food and Drugs Acts."

Thursday, December 8

Chemical Society, the Institution of Mechanical Engineers, Storey's Gate, Westminster, S.W. 1, at 8 p.m. Professor J. W. Gregory, D.Sc., F.R.S., on "The Genesis of Ores."

Salford Pharmaceutical Association, 40 The Crescent, Salford. Mr. C. H. Griffiths on "Co-operation."

National Association of Women Pharmacists (London Group), "The Plane Tree," 106 Great Russell Street, at 7.30 p.m. Discussion on "Current Topics."

Pharmacists' Services Club, Pharmacy Club-room, Arundel Hotel, at 8.30 p.m. Smoking Concert. All members of the late Pharmacists' Volunteer Corps and ex-Service pharmacists invited to attend.

West Ham Association of Pharmacists, Y.M.C.A., Woodgrange Road, Forest Gate, at 3 p.m. Address by Mr. E. T. Neathercoat (President of the Pharmaceutical Society).

Mr. Thomas Henry Good, chemist and druggist, 341 Beverley Road, Kingston-on-Hull, who died September 3, left estate of the gross value of £2,213 18s. 8d., with net personalty £2,106 9s. 5d.

Mr. Albert Victor Baxter, Waratah, Lower Walton, near Warrington, managing director of the Erasmic Co., Ltd., who died in Rio de Janeiro on September 6, left estate of the gross value of £4,781 9s. 4d., with net personalty £4,285 14s.

Excessive prescribing.—"A practitioner was recently asked by his panel committee to justify two prescriptions, each containing 6 oz. of Stokes's liniment. . . . It was considered that this quantity would be wasted, and that 2 oz., or at most 4 oz., was sufficient to order on one occasion. Only in exceptional cases would it be necessary to use more than 4 oz. of liniment in a week. The cost may appear a trifling matter in one or two cases, but considering the vast number of prescriptions given in one area the total amount may be a serious and unnecessary drain on the drug-fund which is provided by the Treasury out of public money."—"The Lancet," November 26.

General Medical Council

The case of Dr. Kolsa-Walla, who was accused by another Parsee doctor of enticing away his patients by visits and interviews, and by offering to charge a lower fee, and which was before the Council for more than two hours on November 23 (*C. & D.*, November 26, p. 58), occupied the whole of November 24. Mr. Kolsa-Walla, tendered as a witness by his counsel, was examined, cross-examined, and closely questioned by members of the Council through the Chair, especially with regard to a batch of transfer forms signed by persons anxious to change their doctor, in handwriting extraordinarily like that of the doctor himself. Mr. Kolsa-Walla, hampered by his imperfect English, contented himself with a flat denial of all the charges. Evidence from five witnesses from the little mining village where the rival doctors practise went to show that the "public meeting" at which those present were asked to put their names on the accused's panel list was no more than a talk between six or seven persons. In the end, after lengthy consideration, the President announced to Mr. Kolsa-Walla that the Council found the facts alleged, as to visits and interviews with panel patients of Dr. Tarachand with the view of attracting them, were proved. That the Council took a very grave view of the practices of advertising and canvassing, but that, having regard to his comparative inexperience, they would postpone judgment till next November to give him the opportunity of amending his ways.

The Dental Curriculum

The academic business began on November 25 with the consideration of the usual reports. The Dental Education and Examination Committee recommended that in view of the new Dentists Act, and with the benefit of having three members of the new Dental Board, the revision of the Dental Curriculum be referred to their Committee to report next May. This was adopted. The Universities of Cape Town, Johannesburg, and Witwatersrand having applied for recognition of their degrees, the President expressed the opinion of the Executive Committee that the degrees were worthy of recognition. It was also agreed that the recognition accorded to the degrees of the University of Lucknow be transferred to that of Allahabad. The Public Health Committee reported their conviction that the concessions granted to meet the exigencies of the war should now be rescinded, and that both the curriculum and course of study should be lengthened, and the standard of examination raised for the Diploma of Public Health. The President said that the old custom of a man taking up public health as an ornamental qualification that might come in some day was now past; they wanted men of high proficiency who meant business, and who had acquired experience. It was agreed to send the report to the Licensing Bodies for their opinion and comment.

The Pharmacopœia Committee

In bringing up the report of the Pharmacopœia Committee, the President remarked on the large sale, double what was expected. He added that the Committee had received an application for a translation of the whole Pharmacopœia into Chinese. The Committee had no objection to make, but asked that they should not be expected to guarantee the accuracy of the translation.

The report was as follows:

The number of copies of the British Pharmacopœia, 1914, which were sold by the publishers between May 21, 1921, and November 19, 1921, was 1,427. The number sold in the year ending November 19, 1921, was therefore 2,407. The total number sold since the date of publication is 41,385. The stock in hand is sufficient to meet the present demand for some time to come.

On behalf of the Committee, Sir Nestor Tirard and Professor Greenish, as editors of the British Pharmacopœia, 1914, attended a conference called by the authorities of the National Physical Laboratory to consider the question of the official testing and marking of glassware used for purposes of measurement. It is understood that, as a result of the conference, an Advisory Committee is likely to be set up, on which the General Medical Council will have representation. It is desirable that some of the difficulties in respect of the standardisation of measuring-vessels, which are indicated in the Preface to the British Pharmacopœia, 1914, should be considered, and, if possible, obviated before the next revision of the work.

A cordial offer of co-operation with the Committee in matters of common pharmacopœial interest has been received from the Chairman of the Committee of Revision of the Pharmacopœia of the United States of America, 1920-1930. The Committee has, on behalf of the Council, welcomed the offer warmly, and accepted it, being assured that such co-operation cannot but be of the greatest importance, both in the interest of the respective Pharmacopœias and in that of international comity and friendship.

The Medical Preliminary

Dr. Mackay, as chairman of the Education Committee, made orally an interim report on the revision of the curriculum and the steps proposed in order that the standard of the Preliminary should be raised to the level of that required by other learned bodies. The debate unexpectedly broke down on the motion of a member anxious to accelerate the business (which, as he protested, was not for the first time before the Council) that a meeting of as many as possible of the conveners of the Committee be called that afternoon to accelerate the preparation of the Scottish and Irish Conjoint Reports and the Final Report. The debate was accordingly adjourned, and the Council rose at four o'clock. Another surprise was in store when the chairman of the Business Committee announced that the work of the session, which it was thought on Thursday would extend well into the following week, had so far collapsed, and the debates petered out, so that the Council would be enabled to finish the business before lunch on Saturday.

A long debate ensued on Saturday, when the Council met at 10.30 a.m., on the report of the Examination Committee on the series of inspections of Qualifying examinations, and on the rival merits of oral examinations and marks, and the relative claims of medicine, surgery, and midwifery. It was agreed that the recommendations of the Council on professional examinations be revised and circulated to all the bodies for consideration. The morning was nearly over when the Council came to the consideration of the report of the Education Committee: it was concerned only with "recognised" examinations, and contained no recommendation.

The name of John Shaw has been restored to the Medical Register, from which it was removed at his own request in 1908. The application of Miss Lillie M. A. Jones for removal of her name on the plea that she had ceased to practise was not acceded to, on the ground that the Council was not satisfied that she had ceased to practise.

Chemists' Defence Association

A meeting of the directors of the Chemists' Defence Association, Ltd., was held at 19 Tavistock Square, London, W.C., on November 23, Mr. John Keall in the chair. There were present Messrs. J. G. Atkinson, Dr. A. J. Barnes, R. Feaver Clarke, W. L. Currie, C. Davis, J. E. French, H. Gilleghan, J. Hague, T. Hardy, F. Hindle, J. G. Jackson, J. Keall, A. R. Keith, H. O. Lloyd, H. J. Martin, A. R. Melhuish, J. Milner, J. H. Nidd, C. W. Ridyard, P. F. Rowsell, R. C. Walshaw, H. Wolff, A. E. Young.

Further Insurance Facilities

It was decided to form a subsidiary company the members of which would be entitled to have their fire risks insured on mutual terms, which it is hoped will show a considerable improvement on present rates. A sub-committee was appointed to make the preliminary arrangements for inauguration.

A scheme for the insurance of parcels sent by members was discussed. It was eventually referred to the same sub-committee.

Arrangements were approved for affording members facilities for insuring against sickness and accident on preferential terms.

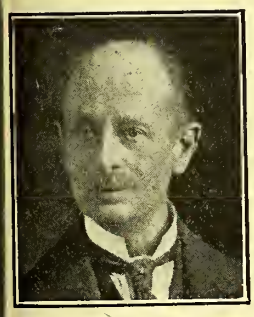
Deaths

BARKER.—At 123 King's Avenue, London. S.W. 4, on November 10, Mr. George Barker, chemist and druggist, aged sixty-one.

BISSET.—At Fairfax House, Burntisland, on November 24, Patricia Gilmour, wife of Mr. James Bisset, chemist and druggist (Bisset & Gilmour, chemists, 67 High Street).

FOGGAN.—At Bedlington, recently, suddenly, Mr. George Foggan, chemist and druggist, Vulcan Place, aged sixty-nine. Mr. Foggan was apprenticed in 1871 to Mr. H. B. Brady, Newcastle-on-Tyne, and qualified in 1876 after studying at Bloomsbury Square. For the next two years he was with Savory & Moore. Ltd., London, W. 1, at their Chapel Street branch, and then went to Calcutta for nearly five years as an assistant to Bathgate & Co. Returning, he commenced business in Bedlington, his native place, and successfully carried on his pharmacy till the end. Mr. Foggan served a term of office as President of the Newcastle-on-Tyne and District Pharmacists' Association, and for many years was a regular visitor to the meetings of the British Pharmaceutical Conference. He was also vicar's warden of Bedlington Parish Church, a Past Master of the Bedlington Lodge of Freemasons, a P.P. Sword Bearer of the Provincial Grand Lodge of Northumberland, and a prominent educationist in his locality.

LANE.—At his residence, 8 Albert Road, Whalley Range, Manchester, on November 29, Mr. William Lane, chemist and druggist, a director of James Woolley, Sons & Co., Ltd., Victoria Bridge, aged seventy-two. Mr. Lane was apprenticed at Bristol in 1864, and qualified five years later. After a brief experience in the South of England he joined the staff of Messrs. Woolley in 1870, subsequently becoming manager of the warehouse, and (in 1907) a director. Mr. Lane served for some years on the Council of the Manchester Pharmaceutical Association, and in 1918 was elected President of the Proprietary Articles Trade Association. Religious and educational matters occupied much of his spare time, and he was one of the Presidents of the old Manchester Chemists' Assistants' Association. The jubilee of his connection with the historic Manchester house was celebrated last year by a gathering at which he was presented with a silver rose-bowl and an illuminated album (*C. & D.*, 11., 1920, p. 1690); a memorable feature of the occasion was the tribute paid by directors of other prominent drug-houses to Mr. Lane's personal qualities and sterling worth.



MR. WILLIAM LANE.

LONGMORE.—At his residence, Wontravel, Gower Street, Kensington, Melbourne, Victoria, on October 11, of pneumonia, Mr. Francis Longmore, chemist, proprietor of Francis Longmore & Co., 185 to 187 Bourke Street, Melbourne. Mr. Longmore was born in New South Wales, where his father, the late Mr. Joseph Longmore, was then living. The family removed to Melbourne in the late 'fifties, and, after being educated at the Grammar School, Mr. Francis Longmore qualified as a chemist and established himself in business. He was in his pharmacy only two days before the end. In Masonic circles and as a member of the Honorary Justices' Association Mr. Longmore was well known; he also had extensive relations with British trade circles through his agents, H. B. Sleeman & Co., 84 Leadenhall Street, London, E.C. 3. Two sons and six daughters survive him: the business, which is an old-established one, will be continued by his son, Mr. C. F. Longmore.

SMITH.—At Brighton, on November 11, Mr. Walter Henry Smith, Ph.C., aged seventy-three.

Personalities

MR. E. A. BAILEY, chemist and druggist, Boston, was successful in the recent municipal by-election (*C. & D.*, November 26, p. 58).

COUNCILLOR C. A. CRITCHLEY, Ph.C., Blackburn, has been initiated as an honorary member of the Loyal Greenbank Lodge of Oddfellows.

MR. R. LORD GIFFORD, J.P., Ph.C., member of the Council of the Pharmaceutical Society, has been re-elected to the higher education committee of Blackburn Town Council.

LIEUTENANT-COLONEL NATHAN RAW, M.D., M.P., and PROFESSOR F. HOBDAY have been appointed President and Vice-President respectively of the Institute of Applied Pestology.

MR. J. J. BOOTH (Booth & Co., wholesale druggists, Idle), who has been senior Vice-President of the Bradford Chamber of Trade for several years, has been nominated for the presidency.

MR. HENRY J. MORGAN, D.B.O.A., chemist and druggist, Somersham, was a successful candidate in both divisions of the recent examination of the Worshipful Company of Spectacle Makers.

MR. P. NOVELLI JAMES (W. J. Bush & Co., Ltd., manufacturing chemists, London, E. 8), is retiring from the presidency of the Boileau Bowling Club, which office he has held for the past three years.

MR. WILLIAM DAVID WALTERS, eldest son of Mr. H. J. Walters, chemist, Whitland, has passed the Matriculation examination of the University of London, and has commenced the course of study for the London M.B. degree at the University College, Cardiff.

MR. R. T. CHRISTOPHER, chemist and druggist, Bradford-on-Avon, gave a lantern lecture, entitled "A Trip to the Far East," to an appreciative local audience on November 24. The slides were made from photographs taken by Mr. Christopher during his sojourn in Singapore.

MR. W. H. SAUNDERS, chairman of Ayrton, Saunders & Co., Ltd., Hanover Street, Liverpool, who has been suffering for the last few months from severe eye trouble, asks us to express his thanks to many writers all over the country for their letters of sympathy, to which he hopes to reply personally in the course of a few weeks.

SIR RICHARD COOPER, Bt., M.P., has intimated to the local leaders of his party at Walsall that he will not seek re-election after the dissolution of the present Parliament. It is understood that pressure of business is the reason for the decision. Sir Richard was first elected for Walsall in 1910. Lady Cooper has accepted an invitation to contest the election when it occurs.

MR. C. J. TAYLOR, Ph.C., the newly elected President of the Folkestone and District Chemists' Association, was apprenticed to Mr. W. E. Jenner, chemist and druggist, Sandgate, and after gaining further experience in London passed the Qualifying examination in 1894 and the "Major" in 1895. He opened subsequently a business at Dover Road, Folkestone, and established branches in Cheriton and Black Bull Road, Folkestone. Mr. Taylor now conducts only the business in Cheriton, where he takes a prominent part in local affairs, being a member of the Cheriton District Council. He also has had a seat on the Kent Pharmaceutical Committee for some years past.

MR. C. J. TAYLOR, PH.C.

IN the course of a recent inquest held at Poplar, London, E., a medical witness testified to the prevalence of a domestic custom of giving saffron "tea" flavoured with brandy in cases of measles.

Trade Notes

PHOSFERINE window-display conditions are set forth in the announcement of Ashton & Parsons, Ltd., Ludgate Hill, London, E.C. 4.

GUMMED TAPE and the moistener for use with the tape ("Awlmetal") are advertised by J. C. King, Ltd., 42-60 Goswell Road, London, E.C. 1.

RUBINAT-LLORACH WATER.—The Apollinaris Co., Ltd., 4 Stratford Place, London, W. 1, announce a reduction in the price of this Spanish natural aperient water.

THE LANCASHIRE AUTOMATIC GLASS MANUFACTURING CO., LTD., Trafford Park, Manchester, have now completed their large new factory, and are producing bottles for the wholesale and export trade.

B.P. LINIMENT.—Mr. Robert Blackie, Spen Works, Tower Bridge Road, London, S.E. 1, in his advertisement regarding B.P. Liniment, offers to send a full-size sample free of charge to any chemist who sends a postcard asking for a bottle.

B.D.H. TELEPHONE.—The telephone number of The British Drug Houses, Ltd., 22-30 Graham Street, City Road, London, N. 1, will in future be "Clerkenwell 3000." Customers should ask for the order department to ensure prompt attention to orders and inquiries.

SPHAGNOL PRODUCTS.—The illustration given is of a new showcard for Sphagnol soap and ointment issued by Peat Products (Sphagnol), Ltd., 18 and 19 Queenhithe, London, E.C. 4. The card measures $9\frac{5}{8} \times 7\frac{1}{4}$ in., and is printed in colours, the azure blue of the sky being the most striking. Copies of the showcard can be had on application.

GLOW-WELL LINIMENT.—Evans Sons Lescher & Webb, Ltd., 56 Hanover Street, Liverpool, and Bartholomew Close, London, E.C., offer a window-display bonus of half-a-dozen Glow-well Liniment with an order for six dozen. Particulars are given in the company's advertisement in this issue, where the good profits on this line are also emphasised.

REVLOC GINGER CUP.—E. & G. H. Colver, manufacturing chemists, 23 Ryland Road, Edgbaston, Birmingham, introduce to chemists the Revloc ginger cup as an ideal winter beverage. The preparation is packed in 4-oz. tins, which retail at $10\frac{1}{2}$d. each. The wholesale prices and London agents are mentioned in the advertisement elsewhere in this number.

"MATER" CLINICALS. — Perken, Son & Co., Ltd., 99 Hatton Garden, London, E.C. 1, through the introduction of improvements in the manufacture and because of the increased demand, have been able to effect considerable reductions in the prices of "Mater" clinical thermometers. The protected prices are now 7s. ($\frac{1}{2}$ minute), 5s. 6d. (1 minute), and 4s. 6d. (2 minutes).

THE BUFF BOOK is a classification of the London Telephone Directory, the names of the subscribers being arranged under the various professions or trades carried on. The Buff Book is delivered free to all London telephone subscribers, and can be purchased at 3s. 6d., post free, from the publishers, the Business Telephone Directories, Ltd., 25 Lawrence Lane, London, E.C. 2.

YADIL SALES POLICY.—Clement & Johnson, Ltd., 19 Sicilian Avenue, London, W.C. 1, make the announcement in their advertisement that Yadil will now be introduced to the general public through the daily Press. Hitherto the publicity campaign has been to the medical and pharmaceutical professions, but the proprietors have resolved on seeking a wider field for Yadil and its preparations. Chemists can obtain supplies from all the usual wholesale houses.

PHYLLOSAN.—We referred briefly last week to the introduction of the new medicament Phyllosan by the Chlorophyll and Chemical Corporation, Ltd., Piccadilly Chambers, 26 Coventry Street, London, W. 1, and now recall that the remedy owes its inception to the researches that established the chemical relation between the chlorophyll of plants and the human blood pigment. This was explained in the *C. & D.*, September 17, p. 53, in our report of Dr. M. O. Forster's address to the Chemical Section of the British Association. Clinical experiments have established the fact that the administration of Phyllosan greatly increases the red corpuscules of the blood. Phyllosan, a Swiss product, is put up in tablet form.

Business Changes

D. W. GREENHOUGH & SON, chemical merchants, have removed to City Chambers, 65 Fenchurch Street, London, E.C. 3.

TAYLORS' DRUG CO., LTD., have acquired the business of Mr. S. B. Bennett, chemist and druggist, 10 Albert Road, Widnes.

S. NAMIAS' SONS, merchants, have removed from 10 Bush Lane, Cannon Street, London, E.C. 4, to 45 Beech Street, Barbican, E.C. 1.

CHAS. PAGE & CO., LTD., 47-51 King William Street, London, E.C. 4, are, on December 5, opening a branch office at 128 Ingram Street, Glasgow.

P. MELLIS & SONS, LTD., chemical and drug merchants, have removed their offices to 60-62 Bunhill Row, London, E.C. 1. The telephone is "Clerkenwell 1064."

MR. E. WORMALD, chemist and druggist, has opened a business at 9 Washway Road, Sale. Mr. Wormald was for eleven years with Mr. R. H. Tootill, Ph.C., Altrincham and Sale.

THE business lately carried on as E. H. Wrigglesworth, Ltd. (*C. & D.*, I., 1921, p. 272), has been acquired by a newly formed limited company, and will be continued under the style of McLeod (Hull), Ltd., at St. Andrew's Works, Mason Street, Hull.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated:

B/2911. Luckstone (makers), No. 14959/06.
B/2911. Leichner's grease paints (present English agency).
S/2811. Eupurpurin.
C/2811. Neuroprin.
A/2811. Siegle's Steam Spray (makers and agents).
C/2611. Diculafoy's aspirators.
J/1011. Atoxicocaine.
B/2511. "Sanakin" sterilised swabs.
S/2511. Cross's Liver Salts.
E/2411. Bland's Liquid Energy.
S/2311. "Wing" brand albumen.
B/2611. Sonnard's depilatory.

INFORMATION SUPPLIED

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4.

Apioline (Chapoteaut's), L/2911
Arheol capsules, L/2911
Bloc Hyalin, L/2911
Broux hair dye, B/2611
Butol, H/2811
Colalin tablets, S/2811
Dr. Morse's Indian root pills, H/2211
Dr. Paul Gage's tonic pills, H/2211
"Eureka" tablet machine, N/2911
Hot-water bottle (rubber) repairs, N/2111
"Ideal" bottle, S/1711
"Inecto" hair dye, H/2911
"Invincible" Soap, B/2611
Iodatol, G/2611
Kaufmann's sulphur bitters, H/2211
Mason-Pearson's hair-brushes, C/1911
Maté tea, O/1911
"Rewabo" combination douche, S/2911
Small water stills for domestic use, C/2811
Tozana cream, B/2611
Vogeler's curative compound, H/2211
Welch's Grape Juice, D/2911
White enamelled douche cans, L/2911
"Zonax" silver salts, M/3811

Observations and Reflections

By Xrayser II.

Sir William Glyn-Jones's Address

at Leeds, on November 18, deserves all the space you give it, and is in every respect a noteworthy utterance. I have not seen a better justification of the new Major syllabus than it gives. The fact that the benefits accruing from the increased stringency of this examination are mainly, if not altogether, prospective is no argument against them, if only there is reasonable ground for the Society's forecast. It is better to be a little in advance of the times than to lag behind, and there is at least a possibility that the schemes of the Ministry of Health may eventually create a demand for a more highly educated pharmacist than the present average Ph.C. But one question I should like to ask Sir William, or, indeed, two questions: How does he make out that the Society was "purely responsible" for the Act of 1908? Was it not a Government measure, opposed, as regards many of its clauses, notably Clause 2, by the Society and the trade generally? And, again, does Sir William regard that Act as a pure gain to us? What about the clause mentioned?

The Same Amount of Approval

cannot be given to what Sir William said at the Leeds dinner on November 16. To say that it is the linking up of the associations with the Society that gives them their strength is surely an exaggeration. Where did their strength come from before the linking up? They were, many of them, no weaklings when Sir William was in his pharmaceutical swaddling clothes. His assertion that they "merely take the place of the old guilds" makes one wonder what old guilds he means. I can scarcely see any feature in which they resemble or carry on the work of the old merchants' or craft guilds, to one or other of which he apparently refers. The reference is not flattering, in any case, when we remember how and why the guilds came to an end. They served a purpose in the Middle Ages, but, as Mr. Kirkup says, they "had become opposed to the wider claims of freedom, progress, and equity as now understood, and had to be swept away." A man who has stood almost alone in opposition to any movement may be excused a word of self-gratulation when he finds others coming over to his side, and I cannot repress an expression of pleasure at seeing "The Script" taking so strong a line in deprecation of this "linking-up" scheme.

The Protest

of the British Laboratory Ware Association against the manner in which the Key Industries Act is being worked is one of the most convincing indictments of the Act that have hitherto been made public. For the root of the mischief wrought by the schedule against which every industry affected is protesting is in the Act itself, which gives to the Board of Trade the power to add whatever it thinks fit to the list of dutiable articles. The unfitness of the Board to be entrusted with such power could not be more strikingly shown than by the fact that the Association referred to, which represents one of the most important industries the Act was ostensibly designed to protect, now declares that the Act appears to have been aimed at every appliance connected, however remotely, with scientific work, whether produced in this country or not. It is not necessary to suppose that this, if true, was, or is, intentional on the part of the framers or administrators of the Act. "Ignorance, pure ignorance" (to quote Dr. Johnson's explanation of an error in his Dictionary) accounts for a good deal, and the indiscriminating mechanism of the official mind for the rest of the evil, for which there is no apparent remedy but the repeal of the Act.

Mr. Mallinson's Trumpet

did not, if the necessarily condensed reports of his speech that I have seen may be trusted, give forth a very certain sound at Bradford. The speech reads like a complaint from the Retail Pharmacists' Union against its parent for giving it birth, which can hardly be what its secretary intended. The assertion that the "sectional interests" represented by the qualified assistants' trade union could have been dealt with by the Society is another feature of the speech which requires explanation. I thought it had been ruled that the Society could not legally act as a trade union, and that such questions as the fixing of wages, especially, were outside of its province. The assertion that the Society has covered pharmaceutical organisation as a whole, but apart from Health Insurance has never set itself definitely to the task of business organisation, is open to the same objection, with the further objection that the terms of the sentence in which it occurs are confused. For if Health Insurance "is based on the recognition of the professional qualification," the Society's action in this matter was as much a part of "pharmaceutical" as of "business organisation." On the whole, Mr. Mallinson's criticism of the Society is a little ungenerous, but it illustrates the difficulty in which the Society found itself. That the way out was the best that could have been found I do not affirm, but Mr. Mallinson seems hardly the person to complain of it.

The Editor of "The Lightning Dash"

naturally disagrees with my criticism of his article, and I, as naturally, disagree with his counter-criticism. I did not suppose he really intended us to use Veno's goods as catch lines, and I said so. It is fairly obvious that all I intended was to show the irrelevance of his illustration, which means either that we are to regard these goods as in a sense catch lines—things worth selling at considerably less than our usual rate of profit because they draw customers into the shop—or just nothing at all. I suspect that in spite of his honestly meant disclaimer the catch-lines idea really is at the back of his head, but it is a fallacious idea. Suppose we argue as he does with regard to all patents? "Jay Mack" has recently told us that 60 per cent. of some businesses consists of this class of goods. Are we to be expected to sell this percentage of our stock at prices which do not bear their just proportion of establishment charges? In what respect does Veno differ from other proprietors? I have made this explanation at some length because your correspondent accuses me of unfairness, but I shall dismiss the rest of his reply more briefly. I adhere to every word I said. Customers brought to us by other people are not worth those we win for ourselves, and the fact that something like 60 per cent. of our trade consists of proprietaries is proof enough that a good deal of our old drug-trade has been displaced by proprietaries. People don't take so much more physic as that amounts to over and above what they used to take.

My "Tepid Approval"

of the University scheme of degrees in pharmacy is not, as I hope your correspondent "Torcy" will believe, due to indifference to education, but to the conviction that our true line of progress as pharmacists in business does not lie in the direction of academic distinction, and, I must in honesty add, to my very mild interest in degrees of any kind, merely as such. Except in so far as they serve the purpose of preserving us from quacks and pretenders to knowledge, degrees are almost naught, and we pharmacists do not need any degrees but our own. We may call ourselves professionals if we will, but nine out of every ten of us live by trade, and anything that tends to foster the notion that trade is degrading and to breed a false professionalism is to be deprecated. Real education will not have that effect, but the sham education which consists of cramming for degrees easily might. Degrees in pharmacy would be both useful and becoming in teachers and professors: to practical pharmacists they might prove a snare. The hankering after distinctions of this kind is a sign of the times, and not, in my opinion, a good one. I cannot think any University contemplates the use of its degrees as a trade asset, or conceive why any of us should covet any distinction in connection with pharmacy which our own societies cannot give us.

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Editorial Articles

Illicit Sales of Methylated Spirits

THE Press has of late had more than the usual stock of reports of illicit methylated-spirit drinking cases. One of the most picturesque has been from a town in Ireland, at the workhouse of which 126 tramps "mad with drinking methylated spirits" were said to have tried to gain admittance. Anyone on this side of the Channel reading of such an occurrence would wonder why these eccentric individuals did not complete the process of qualifying for gaol—unless indeed it be the fact that, unlike the condition of things prevailing in England, the gaols in Ireland are less desirable places of sojourn than the workhouses. However this may be, we are by no means inclined to accept the view that methylated-spirit drinking is on the increase. The stringent Revenue precautions against the improper sale or supply of such spirits put such a proposition out of court. At the same time everyone interested in the suppression of a pernicious habit will be moved by these reports to ask what, if anything, can be done to provide a remedy for it. We would do well to begin by recognising that the present condition of things as regards ordinary spirits lends itself to create such an evil as this; there are persons to whom, for reasons of temperament or from acquired habit, an alcoholic beverage of some sort is a necessity. These are frequently among the poorer classes of the community, and anything which raises the price of ordinary alcoholic beverages to consumers has an immediate effect in curtailing their supplies, and so throws them back for the gratification of their craving upon the cheaper intoxicant—methylated spirits. Recent legislation has tended to this. Since the outbreak of the war the duty on ethylic alcohol has been increased from 14s. 9d. to £3 12s. 6d. the proof gallon, or about 500 per cent., while in the case of beer the duty has been raised in the same period from 7s. 9d. to £5 the barrel, or thirteenfold. And while this has happened, the restrictions placed on hours of sale and supply and the statutory lessening of the quantities available for ordinary consumption have also contributed to the difficulties in the way of obtaining these liquors for beverage purposes. In the ordinary course of things we might be inclined to suggest a lowering of these rates of duty as the remedy for the evil of methylated-spirit drinking, since this would again bring ordinary alcoholic beverages within reach of the poor man's purse; but in the present state of the national Exchequer there seems little hope that such a remedy will be adopted, unless, indeed, it should be found that the high duties have so diminished consumption as to make the change fiscally desirable. The alternative course would naturally be to increase the restrictions on the sale and supply of methylated spirits—a policy which, if embarked upon, must have serious consequences to the large body of retailers of methylated spirits throughout the country, so many of whom are chemists. The utility of the spirits

need not be enlarged upon; their use for heating purposes could not be disallowed or substantially curtailed without material injury to the community, and it is unlikely that Parliament would consent to a measure of which this would be the direct result. The danger is rather that any step might be taken which would needlessly hamper a useful branch of industry which is in the hands of traders of exceptionally high character. Under the present law and regulations industrial methylated spirits are accessible only under restrictions which make the use of them as a beverage extremely unlikely. Then the mineralised variety is so denatured as to be palatable only to the possessor of a very depraved taste indeed. And even as regards the supply of mineralised spirits, the restrictions are serious. No retailer is allowed to sell them for consumption as a beverage, nor is the sale permitted at all between Saturday evening and Monday morning. A retailer is also forbidden under heavy penalties from adding anything to the spirits which would alter their character, or taking any other means to purify them so as to fit them for use as a beverage or internally as a medicine. It is even an offence in a retailer if he is found to have in his possession methylated spirits which have been so treated. The Excise authorities are empowered even to exercise a degree of control going much beyond that actually practised. They can require any retailer of methylated spirits to keep a stock-book showing all receipts and sales. That it has not up to the present been found necessary to exercise this power may be accepted as conclusive against the view that any further legislative restrictions are called for.

Commerce Crippling at the Customs

It was hardly to be expected that the work at the Customs House in connection with the key section of the Safeguarding of Industries Act, 1921, would run smoothly at the start. At that time many justified complaints of importers were brought to our notice, but we then refrained from making any comment, hoping that matters would soon adjust themselves. The Act has now been in force about two months, by which time the Customs should have been able to put their house in order; but, unfortunately, such is not the case—in fact, every day and every week brings to light absolute proof of confusion and an increasing volume of maladministration. We have made a fairly comprehensive survey of the whole matter, and at the conclusion of our inquiries we had obtained nothing but one long-drawn-out complaint standardised on two main points: wrongful seizure of goods that are not specified in the key list, and the levying of duty on "made-up" products, such as medicinal tablets which contain a small percentage of a dutiable chemical. Other complaints related to deposits made by importers of goods which, after inquiry, were found to be not liable to the duty. Dealing with the first point, that of wrongful seizure of goods, we hope before long some members of the trade will take action against the Customs for financial losses incurred in such cases. It seems, and, quite naturally, that both the London and provincial Customs dock officers are unable correctly to interpret the key list, especially where products are marked with the mystic "R," and that an unwritten rule of when in doubt, seize the goods and hang the consequences—the ruination of trade—has been adopted. The goods having been seized despite the appeals and protests of the unfortunate importer, samples are usually taken, with or without permission, packages being indiscriminately forced open. The samples, together with the usual report, are forwarded to headquarters; the local dock officer then awaits his Board's decision, and in the meantime holds on to the goods. Arriving at headquarters, the samples and report usually "await action" for some days, and then go from one to the other of the officials. The importer may continue to appeal to the local dock officer, but is told he cannot release the goods until he receives instructions from London, and if application is made to the latter, he will probably be told they await instructions from the Board of Trade, and if inquiries are made there, "it is a matter entirely for the Customs." Meanwhile, the importer's goods are under arrest, and already there have been instances of lost orders incurring financial loss to traders. The next point deals with proprietary chemicals. We hear of a case where an importer landed a few cases of medicinal tablets that contained one grain each of sodium bromide; the remainder of the ingredients were not liable to duty. On these goods the Customs claim 33⅓ per cent. on the value of the whole of the goods. This amounts to about £50, yet the value of the sodium bromide is only about £1. In the first place, this small percentage of sodium bromide has, in our opinion, entirely "lost its identity," and therefore the parcel should not be liable to duty; but if that contention is not admitted, it would seem to us that the utmost the Customs could properly demand would be duty on the amount of dutiable product contained in the tablets. However, the Customs still hold the goods, and we shall watch with interest the result of the case, which the importer very rightly has thought fit to fight. In view of the publicity lately given to definite instances of Customs abuse and excess in performing their duties in connection with this Act, we hope the Government will refrain, when questioned, as they will certainly be on this matter of trade strangulation, from once more stating that they have inquired from the Customs and are informed that everything is working smoothly. That sort of thing is just about as useful as a mother asking her son if he has been a good boy at school.

The New Cinchona Contract

Further details are now forthcoming regarding the proposed alterations in the new cinchona contract. In view of the fact, as we indicated last week, that the present contract does not expire until December 31, 1923, considerable surprise is being expressed among the cinchona planters in Java at the anxiety shown to conclude another contract for a further period of five years—i.e., two whole years before the existing contract terminates—particularly since the suggestion emanates from the quinine manufacturers, and not from the planters, from which it is apparent that the manufacturers have very weighty reasons for wishing to bind the producers of bark for a long time ahead. The following are the principal alterations in the terms of the contract which have been submitted to the planters, according to statements published in the "Algemeen Landbouwweekblad voor Nederlandsch-Indie," October 21, 1921:

Under the terms of the present contract the planters receive 50 per cent. of any profit realised by the sale of quinine sulphate when it exceeds 20fl. per kilo.; on the other hand, the profits realised by the sale of the other alkaloids extracted from cinchona bark are retained entirely by the quinine manufacturers. The latter now propose to

grant a share amounting to 60 per cent. on the profits resulting from the sale of quinine sulphate at a price exceeding the standard price, and in addition the planters are to participate to the extent of 60 per cent. in the profits derived from the sale of the secondary cinchona alkaloids. This represents a concession to the planters. The second suggested alteration, however, is the one which causes the most uneasiness among planters. Under the present contract the manufacturers are obliged to accept delivery from the planters of a fixed amount of bark, the amount in question corresponding to a yield of about 500,000 kilos. of quinine sulphate. The planters receive, in payment for the bark supplied, a sum of 12fl. per kilo. of quinine sulphate contained, and, as stated above, are entitled to 50 per cent. of the profits realised should the sale price of quinine sulphate exceed 20fl. per kilo.

It is now proposed that the amount of bark to be taken over by the manufacturers shall be in relation to the amount of quinine sold. This means that instead of being assured of being able to dispose of his bark, the planter will be dependent on the current demand for quinine, and thus will never be certain of being in a position to dispose of the whole of his crop; he will then be practically at the mercy of the quinine-makers, as it will depend upon them to decide the amount of bark they will be willing to take up. In addition, attention is drawn to the fact that in view of the reduced demand for quinine, when the present contract expires in 1923 the manufacturers will be holding vast stocks of bark, certainly sufficient to cover at least a whole year's output of quinine. Therefore it is evident that during the first year—i.e., 1924—the manufacturers will refuse delivery of further stocks of bark, and certainly during the ensuing years they will not require even one-half of the normal output of bark. This proviso renders the position of the planters extremely precarious, for instead of being assured of a market for their bark, as is the case under the present arrangement, whereby a fixed amount has to be taken up annually at a standard price, the question arises, Where is the planter to find the necessary working capital for the upkeep of his cinchona plantation if after 1923 he is unable to dispose of his bark? Such a state of affairs would be most detrimental to the interests of the cultivation of cinchona in Java, since its prosperity depends not upon a small output realising a high price, but upon the greatest possible output at a reasonable figure, in order to prevent the possibility of a substitute for quinine replacing the use of the alkaloid, as well as the creation of cinchona plantations on a large scale in other countries. The next alteration is to the effect that the planters shall receive 50 per cent. of the profit realised by the Bandoeng Quinine Factory on the saving in freight, etc., effected by deliveries made directly to the latter. In this connection it is interesting to note that the factory states that this profit is extremely small. Indeed, on the basis of a production of 200,000 kilos. of quinine sulphate, the saving amounts to only 350,000fl. at the present rates for freight to Amsterdam. Further, the manufacturers retain the right not to accept delivery of crude quinine in the place of bark. This is naturally directed against the proposed establishment by the planters of a factory for the extraction of quinine from the bark in Java, or on the plantations, a proposal which is being actively fostered by a section of the Java planters. The final suggestion is to the effect that the Amsterdam section of the Association for the Protection of the Interests of Cinchona Cultivation in the Dutch Indies shall be empowered to settle the definite terms of the new contract.

Index Folio 730

Insurance Dispensing-fees

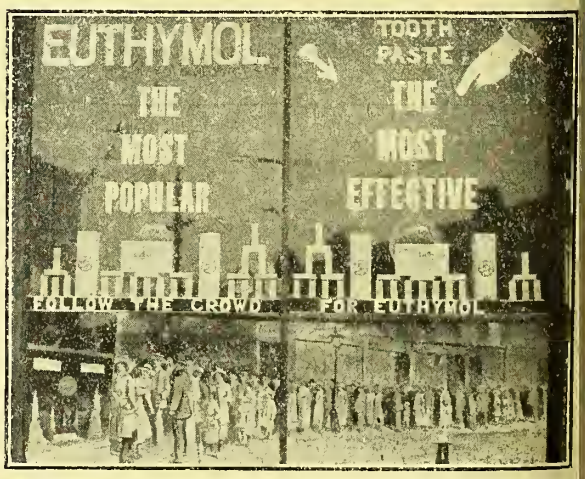
Our readers will remember that when referring to the short and sharp contest between the Ministry of Health and the panel doctors, which ended in the doctors' capitation payment being reduced from 11s. 6d. to 9s. 6d., we stated that the significance of the matter to chemists was that dispensing-fees would probably be reduced. The doctors were appealed to on patriotic grounds to accept the lower fee, so as to lessen the amount payable from the Treasury grant. This grant was rendered necessary by the exigencies of the war, and has been employed in paying both doctors and chemists the extra amounts they received to meet the increased cost of carrying on business during and since the war. It is desired by the Government, in the interests of national economy, to reduce the Treasury grant. The panel doctors have bowed to the storm, and now has come the turn of the chemists. The Drug Tariff in England and Wales being a cost-price one, the reduction can only be made in the dispensing-fees, which, although they have been increased of late years, are not by any means exorbitant. The Ministry has, however, determined that a "cut" must be made here, and has suggested that an all-round reduction of 1d. in these fees is desirable. A deputation from the Retail Pharmacists' Union, upon which the mantle of the Prescription Checking Bureau of the Pharmaceutical Society has descended, is to be heard. It may be taken for granted that, as in the case of the doctors, the Ministry of Health will not be open to bargaining. It is possible, however, that terms involving the adoption of a scale of fees for two or three years may be accepted if put forward by the chemists' representatives. The present scale of dispensing-fees was printed in the *C. & D.*, 1., 1921, p 527.

Chemists' Windows

Photographs of windows sent to the Editor for reproduction should be accompanied by notes on how the displays were arranged.

A Euthymol Window.

Mr. W. H. Harrison, F.I.O., chemist and druggist, Chorlton-cum-Hardy, who sends a photograph from which the accompanying illustration is taken, writes that the background is a hand-painted scene representing a queue of people waiting outside a pharmacy. The suggestion of a row of shops behind the waiting customers gives a realistic



effect. The foreground is "paved" with tubes of Euthymol tooth-paste and with tooth-brushes. The white letters (cut out of strong paper) on the window are legible twenty yards away, and the whole grouping is both attractive and salesmanlike. The window won a prize in open competition.

Germany, says Mr. H. A. Andreae, of the banking and acceptance house of Kleinwort, Sons & Co., is heading straight for a monetary crisis that will involve all Europe in a common catastrophe.

Drug Index Number

Four months have passed without showing any change in the index-figure for surgical dressings yet it would be premature to say that the figure was likely to be stabilised at 230.6. It should be recognised, nevertheless, that prices of dressings in 1913 were exceedingly low, which may ultimately account for a higher ratio in the stability figure. Drugs and chemicals have been unusually steady, and the changes which have taken place are largely in articles infrequently used. This month shows no drug or chemical lower, but three higher—acid. acetylsal., phenacetin., and resorcin.,—which is significant. In addition, there are ung. ac. boric. and ung. zinci, but the change here shown is probably due to rectification of costings.

Drugs, Chemicals, and Galenicals

C=cost; I=index	1913		Nov. 1921		Oct. 1921		Sept. 1921		Aug. 1921		July 1921		June 1921		May 1921	
	Qty.	C.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.
Ac. acetylsal.	2 lb.	88	176	200	160	181	160	181	176	200	176	200	176	200	176	200
Bismuth. carb.	3 lb.	308	498	160	495	160	495	160	553	166	513	166	513	166	513	166
Conf. sennæ	4 lb.	64	128	200	128	200	128	200	128	200	128	200	136	212	136	212
Ext. casc. sag. liq. ...	6 lb.	88	190	216	190	216	190	216	210	238	232	264	232	264	232	264
„ cinch. liq.... ...	1 lb.	54	100	185	100	185	117	216	117	216	117	216	117	216	117	216
„ ergot. liq. ...	2 lb.	198	344	173	344	173	344	173	278	140	300	151	300	151	300	151
Ferr. amm. cit. ...	3 lb.	57	171	300	171	300	171	300	171	300	180	315	180	315	192	337
Hexamina	4 oz.	15	34	226	34	226	34	226	38	253	44	293	42	280	48	320
Inf. gent. co. conc. ...	12 lb.	204	300	147	300	147	324	158	324	158	336	164	366	164	366	164
Lin. camph.	5 lb.	90	152	169	152	169	152	169	152	169	170	188	170	188	170	188
„ camph. amm. m. ...	8 lb.	144	228	158	228	158	252	175	252	175	252	175	252	175	252	175
„ sapo. meth. ...	10 lb.	120	190	159	190	159	512	179	215	179	215	179	245	204	245	204
„ terebinth.	6 lb.	108	132	122	132	122	132	122	139	128	139	128	141	130	120	111
Mag. carb. levis ...	2 lb.	22	28	128	28	128	28	128	28	128	28	128	28	128	28	128
„ sulph.	14 lb.	14	65	471	66	471	66	471	66	471	66	471	66	471	66	471
Ol. morrhuæ	10 lb.	80	90	112	90	112	90	112	100	125	100	125	114	142	114	142
Phenacetin.	4 oz.	18	44	244	42	233	42	233	46	255	48	271	56	311	60	333
Phenazonum	4 oz.	24	52	216	52	216	52	216	50	208	60	250	64	266	64	266
Potas. brom.	4 lb.	88	88	100	88	100	84	95	84	95	92	104	92	104	92	104
„ iod.	2 lb.	298	456	153	456	153	456	153	456	153	456	153	456	153	456	153
Quin. sulph.	4 oz.	80	224	280	224	280	224	280	224	280	224	280	224	280	224	280
Resorcin.	1 oz.	5	14	280	13	260	13	260	14	280	14	280	16	320	16	320
Sodli benz.	3 oz.	13	12	92	12	92	12	92	15	115	15	115	13·5	104	13·5	104
„ salicyl.	4 lb.	132	240	181	240	181	192	145	240	181	240	181	240	181	240	181
Sp. chlorof.	2 lb.	96	114	118	114	118	114	118	114	118	127	132	127	132	127	132
Syr. ferr. ph. co ...	4 lb.	36	80	222	80	222	80	222	80	222	84	233	84	233	84	233
„ Eastonil	3 lb.	54	105	200	105	200	105	200	105	200	123	227	123	227	123	227
Tr. chlor. et morph. '85	2 lb.	80	115	143	115	143	115	143	115	143	115	143	120	150	120	150
Ung. ac. borici	7 lb.	77	161	209	154	200	154	200	154	200	175	227	182	236	182	236
„ zincl	4 lb.	88	92	104	88	100	88	100	88	100	100	113	108	123	108	123
*Index Number ...	100		183·9 (268·2)		186·8 (289·6)		188·1 (334·6)		193·2 (322·5)		200·4 (341·4)		207·5 (362·7)		209·7 (344·6)	

Surgical Dressings

—	1913		Nov. 1921		Oct. 1921		Sept. 1921		Aug. 1921		July 1921		June 1921		May 1921	
	Qty.	C.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.	C.	I.
andages	144	1·44	260·0	180	260	180	260	180	260	180	316·8	220	316·8	220	316·8	220
auze ...	72 yd.	72	230·4	320	230·4	320	230·4	320	230·4	320	230·4	320	230·4	320	242·0	336
int ...	28 lb.	460	1008·0	219	1008	219	1008	219	1008	219	1064	231	1064	231	1190·0	239
„ boric	56 lb.	624	1456·0	233	1456	233	1456	233	1456	233	1568	251	1568	251	1652·0	264
otton wool	84 lb.	756	1512·0	200	1512	200	1512	200	1512	200	1512	200	1512	200	1680·0	222
*Index Number	100		230·6 (365·2)		230·6 (374·2)		230·6 (406·6)		230·6 (445·2)		244·4 (445·2)		244·4 (408·2)		256·2 (402·4)	

** Numbers for 12 months previously in parentheses.*

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Associations' Winter Session

Aberdeen.— The Aberdeen Pharmaceutical Association held a meeting of panel chemists in Robert Gordon's Technical College on November 21. There was a large attendance, presided over by Mr. W. F. Hay, who was supported by Mr. Rutherford Hill and Dr. Tocher. Messrs. Hay and Simpson were elected as local representatives to the General Council of Panel Chemists (Scotland). A report on the negotiations with the Parish Council regarding the supply of drugs was given, and after an interesting discussion the Executive was appointed to interview the Finance Committee of the Council. Mr. Charles Coutts presented to the Association an interesting old document, giving the names of members of the craft (some thirty) who were in business in Aberdeen in 1840. Mr. Rutherford Hill, who thanked the meeting for their hearty reception, gave a clear statement on current pharmaceutical topics. The Pharmaceutical Society, the Retail Pharmacists' Union, and the Scottish Federation, he said, are all working towards the same goal; although opinions may differ, the objective would be ultimately reached. The maximum of individual liberty must be secured, and up till now the local Society, with liberty in its own area, had given the best results. The Pharmaceutical Society he found to be still a power in Scotland; this was shown twice recently in Insurance matters, when terms were offered not considered just, 95 per cent. on the first occasion, and 100 per cent. on the second occasion, on the call of the Society declined to accept these, and ultimately secured more equitable terms. He was glad to hear that all panel chemists in the Aberdeen area had agreed to the deduction for the expenses of the General Committee; the half of 1 per cent. to be deducted from all accounts was sufficient to meet the expenses, and leave a small balance as an emergency fund. The fight under the Dangerous Drugs Act Regulations is not yet finished; the Proprietary Medicines Bill was meantime in suspension, and it and the farcical Bill recently introduced by Mr. O'Grady would both require watching, as danger frequently arose from most unlikely sources. He commended the scheme of getting the Parish Council to put their contract on National Health Insurance lines, as the Board of Health is bringing in schemes also on these lines. Dealing with methylated-spirit drinking, he thought it highly desirable that this should be put on Part II. of the Poison Register. Dr. Tocher commented on and emphasised Mr. Hill's points.—That "women are essential to pharmacy" was the view expressed by the members of Robert Gordon's College Pharmacy Circle after a lively debate on November 25. Mr. G. Fraser presided over a large attendance, in which both sexes were represented. Miss Adams submitted the case for women. Women, she claimed, were the original pharmacists, and to them in bygone days fell the task of preparing the salves and lotions required for the treatment of illness and injuries. They were now resuming their place in an old and honourable profession. She contended that since the entry of women into pharmacy there had been a distinct improvement in the status of the chemist. Twenty years ago a qualified chemist was quite content to make pills and potions for 25s. a week. With the entrance into pharmacy of an educated class of young women there had been a marked improvement in salaries all over the country. In point of efficiency, cleanliness, accuracy in dispensing, deftness, and general alertness the woman pharmacist was distinctly superior to the male. Mr. James Carnie was the champion of the male pharmacist. He urged that all that women were out for were frills and furbelows, while men had to earn their bread and butter. Women "pinched" the jobs while the young men were away at the war. In subsequent debate, however, the lady pharmacists pointed out that women required bread and butter, too, and that if a chemist and druggist kept on his female assistant after the war it was on account of her efficiency. The debate concluded as stated.

Aberdeenshire (West).—The annual meeting of the West Aberdeenshire Pharmacists' Association was held at Huntly on November 16. Mr. George Stephen (Huntly), President, occupied the chair. A discussion arose out of the correspondence on dispensing charges. It was shown that a prescription dispensed at several places in the county and in the town of Aberdeen had been charged at different amounts, thus causing the customer to query the difference in price. It was suggested that the whole question of prices be remitted to the local branch of the Federation to be dealt with, with the view to getting uniformity throughout the area. The past year's accounts showed a small favourable balance, and the annual subscription was again fixed at 3s. 6d. The following were appointed officials for the coming year: *President*, Mr. J. M. Wilson; *Vice-President*, Mr. J. D. Christie; *Secretary* and *Treasurer*, Mr. J. R. Reith; *Executive Committee*, Messrs. J. M. Wilson, J. D. Christie, Cruickshank, Stephen, Gilchrist, and Reith. A discussion was opened on what was meant by "wholesale dealing," it being represented that a certain local wholesale drug-house was in the habit of supplying articles to the members of the public. The secretary was instructed to write the firm in question anent the matter. It was agreed that a representation be made to the East Aberdeenshire Pharmacists' Association on the desirability of amalgamating the East and West Associations to consolidate local effort. It was also resolved that the Executive be empowered to carry through the amalgamation along with representatives of the East Association in the event of the East Association entertaining the proposal. It was unanimously resolved "That the Association recommend all members to join the Aberdeen Branch of the Scottish Pharmaceutical Federation." The secretary made a statement showing the satisfactory progress the branch of the Federation had made since it was started, and said that as soon as the Trade Board got a move on the rally would be complete, as the Federation was the one and only body in Scotland prepared to look after their trade interests. It was again agreed that the Association issue the Scottish Chemists' Retail Price List, with the proviso recently made by the Executive and agreed to by the Association.

Belfast.—A committee meeting of the Ulster Retail Drug Trade Association was held in the Chemists' and Druggists' Rooms, 11 Waring Street, Belfast, recently, Mr. W. E. Wilson (Vice-President) in the chair. Other members present were: Messrs. J. A. Bingham, J. Dundee, W. J. Hardy, H. Crail, W. C. Dobbin, J. C. Culbert, E. J. Roberts, J. Moffet, R. Kells, J. Macauley, and the secretary (W. J. Stevenson). Correspondence having been dealt with, a discussion was held on the supply of patent medicines to small shopkeepers outside the drug business by certain wholesalers and distributing agents; also, with regard to certain members "cutting" minimum retail prices of well-known lines. The Committee considered that this underselling would soon be remedied.

Cambridge.—The Cambridge Junior Pharmaceutical Association held the annual meeting recently, the President (Miss D. French) in the chair. Mr. A. Deck (the secretary of the parent Association) addressed the meeting, and it was decided that the work of the Association should be carried on by the juniors themselves. A secretary and treasurer were elected.

Derby.—The Derby (Borough) Pharmaceutical Association heard an address recently by Mr. Marfitt (Leicester) on *The Art of Display*. The many photographs were much admired, also the original wording and distinctive colouring of the showcards, and at the close a vote of thanks was accorded to the lecturer.

Folkestone.—The annual meeting of the Folkestone Chemists' Association was held on November 23. The treasurer's report showed a satisfactory credit balance. The officers for the year were elected as follows: *President*, Mr. C. J. Taylor (Cheriton); *Vice-President*, Mr. Barnett (Hythe); *Treasurer*, Mr. Giles (Folkestone); and *Secretary*, Mr. Jones (Folkestone). A vote of thanks was tendered to the retiring President, Mr. Curtis, and

the officers for their work during the year. The new President, in the course of his inaugural address, referred to the happy relations existing between the members, and congratulated them on the successful work accomplished.

Halifax. — At a meeting of the Halifax Chemists' Association, recently, a lecture was given by Mr. Ward, London, chief chemist for British Colloids, Ltd. There was a good attendance, the President (Mr. L. Chambers) being in the chair. Mr. Ward spoke on *The Colloidal State of Matter*, with special reference to the use of colloids in medicine and pharmacy. Colloidal chemistry, he said, offered a bigger field of research than either physics or other chemistry at the present time. Mr. Ward mentioned that it was only about five or six years since he took up the study of colloidal chemistry, and he had never been so interested in anything. With regard to the supply of these preparations to chemists and medical men, what his company did was to try to give an old drug in a new form and in the best form possible. They laid themselves open to any suggestions or ideas brought forward by the medical or pharmaceutical professions. They claimed to be giving insoluble drugs in an apparently soluble form.

Lancaster.—A meeting of the Lancaster Pharmacists' Association was held on November 22, Mr. R. T. Simpson presiding. A number of assistants and apprentices and ladies had also been invited. The President referred to the loss sustained by the deaths of Mr. Knowles (Morecambe) and Mr. Cuthbert (Lancaster), and votes of condolence were passed. It was mentioned that in consequence the whist-drive and social had been postponed. Mr. Hines (a member of the Pharmaceutical Council) was welcomed by the President, and, in the course of an interesting address, said much had happened since he last spoke to them. The test case had been lost by the Pharmaceutical Society, and the Local Organisation Committee had laid down the lines on which it wished associations to be run. Perhaps it was a mistake to ignore the importance of the Pharmaceutical Committee. The Retail Pharmacists' Union had his good wishes. Possibly the first election of the Executive had been pushed too much, but that could be adjusted next time, and he was not all pessimistic as to the future. There never was such a wealth of advice as at present. Lots of useful "tips" were to be had from the wholesale houses. Mr. Hines, giving hints on management, emphasised the great importance of cleanliness inside and outside the pharmacy. The question of prices was also important. They were up against formidable combines of wholesalers and manufacturers, controlled by organisations. They must tackle the wholesaler from many points. Overcharges handicapped them, and prevented them doing justice to their customers. There was a great advantage in collective buying. United they could do much, but individually the wholesaler could defeat them. Uniformity in prices was also very important to the retailer. Customers got a bad impression when they found pharmacists in some towns selling at different prices. By combination in regard to window-dressing and advertising they could also benefit. It was shameful that the manufacturers of proprietary articles should demand cash with order. They ought to give reasonable credit. People were more particular to-day, and had a higher standard of living, and therefore wanted better stuff. It was possible to educate the public to the value of a good article, for which they were willing to pay a fair price. As to photography, pharmacists knew what they were doing when they took it up, for by their education and training they were eminently fitted for it. Accountancy was most valuable to pharmacists, assistants, and apprentices, and they should make themselves proficient in it. Stockkeeping must be accurate; to avoid accumulation of old stock they must keep the older goods to the front of the store. The Dangerous Drugs Act had been thoroughly explained in the trade journals. Medical men could never carry it out properly, but gave pharmacists a great deal of trouble. The Pharmaceutical Society would keep an eye on any breach of the Regulations. Mr. Hines gave valuable advice to the assistants and apprentices on how to become creditable pharmacists. They should cultivate a love of reading; not be afraid of learning languages, so as to get an insight into the ways and characters of foreigners. He concluded by giving some of his impressions of Norway, which he has recently visited.

Liverpool.—At a meeting of the Liverpool Chemists' Association on November 30, the President (Mr. W. H. Clubb) in the chair, Mr. D. H. Evans introduced a discussion on prices. Only novices, he said, bought from price-lists which might camouflage real prices. Having shown how varying prices injure pharmacists, he said pharmacists did not charge too high. He said the Retail Pharmacists' Union should assist in making uniformity of prices and fair charges for dispensing. Mr. Harold Wyatt described Bootle artisans as willing to pay reasonable prices. The Retail Pharmacists' Union should not be represented as "the man with the big stick." Pharmacy as practised in the west of Southport having to rely largely on dispensing, he cultivated medical practitioners with mutual advantage. Dispensers should make their own tinctures and most other preparations. Dispensing charges generally were too low. Co-operative buying was introduced by Mr. Wherly, Wallasey. The experience of Wallasey Chemists, Ltd., formed four years ago, had proved an eye-opener. The turnover in the first year was £1,600, and had nearly trebled this year. Each year showed an increased rate of progress. A contract with scales adjusters formed one means of economy. Co-operation promoted harmony, and Birkenhead and Southport offered suitable fields for co-operative buying. In Wallasey any chemist would oblige another, complete confidence existing. The President remarked that Mr. Wherly had opened a new field for Liverpool chemists. Mr. Wallbridge said the papers had bristled with interest and practical points. Personality was the rock-bottom in business. Mr. Harold Wyatt said many co-operative experiments had not proved successful, but Wallasey showed a progress which was stimulating. Thanks to speakers followed on the motion of Mr. Moreton Parry.

London (S.E.).—On November 24 the South-East London Chemists' Association visited the works of A. & F. Pears, Ltd., Isleworth. The visitors were greatly interested in the various processes through which a tablet of Pears' soap passes before reaching the public. Mr. W. E. Booth, the managing director at 71-75 New Oxford Street, acted as host, and was pleased again to meet so many of his old friends. Tea was served, and thanks and compliments were presented by the visitors and suitably replied to by Mr. Booth.

Oldham.—A meeting of the Oldham and Rochdale Branch, Ucal Federation, was held on November 22, Mr. W. Nall (President) in the chair. Mr. Vincent Shaw, of Huddersfield, secretary of the Federation, gave an address on *The Present Aims and Objects of Ucal.* Mr. F. Newby, Oldham, reported on the October Conference at Leeds. Mr. C. H. Griffiths, Manchester, director of Ucal, Ltd., in moving a vote of thanks to Mr. Shaw, described what was being done by Ucal at Cheltenham.

Plymouth.—The twenty-eighth annual meeting of the Plymouth Pharmacists' Association, held at Plymouth on November 23, was well attended by members. The President (Mr. J. Davy Turney), took the chair, and the secretary (Mr. J. E. Poad) read the Committee's annual report. The War Memorial Committee's work was reported upon, and reference made to the volume of correspondence involved by the Dangerous Drugs Act Regulations, the opening of a drug department by the local Co-operative Society, and other matters. Sympathetic allusion was made to the loss, by death, of two members of old standing—Mr. R. F. Roper and Mr. H. W. Woods. As a result of conference with the Mayor, there is to be a regular collection in each pharmacy towards the fund for the local unemployed. The meeting accepted the recommendation of the Committee to form a branch of the Retail Pharmacists' Union. The financial statement was submitted by the hon. treasurer (Mr. A. C. Marrow). Mr. C. J. Park and other members spoke appreciatively of the excellent services rendered by the

retiring President (Mr. J. Davy Turney). Mr. Turney, in acknowledging, supported a suggestion that Mr. B. Shelton be his successor, and this was agreed to. Mr. Shelton was thereupon elected chairman of the Association and of the Retail Pharmacists' Union branch. A vote of thanks was given to Mr. J. E. Poad, the retiring secretary, and Mr. F. A. Spear was appointed in his place. Mr. Ancliffe drew attention to the increasing number of drug businesses which are now opened on Wednesday evenings, in contravention of the Closing Order. It was unanimously agreed that steps be taken to adjust the position. Election of the new Committee resulted as follows : Messrs. B. Shelton (chairman), A. J. Ancliffe, T. J. Barge, W. R. Bull, J. A. Cocks, R. S. Gollop, F. A. Goodwin, J. H. Lewis, A. C. Marrow, C. J. Park, J. E. Poad, F. H. Ralph, F. A. Spear, F. E. Turney, J. Davy Turney, B. Woodrow.

Portsmouth.—By invitation of the Portsea Island Gas Co. (Portsmouth) a party of local chemists and pharmacy students at the Municipal College, totalling about sixty, visited the Hilsea Works of the company recently. After an interesting ramble through the works, and on re-assembling, Mr. A. B. Sparrow, the President of the Portsmouth Pharmacists' Association, proposed a vote of thanks to the Gas Co. and the gentlemen who had made their visit so interesting. This was carried with acclamation.

Redhill.—The Reigate and Redhill Pharmacists' Association held their annual meeting recently, when Mr. Wilmshurst, the retiring President, presided. The treasurer's report, which showed a balance in hand of £4 9s. 6d., together with the secretary's report, were adopted. Mr. Walmsley (South Merstham) was elected *President* for the ensuing year, Mr. Hocken (Redhill) *Vice-President*, and Mr. Oram (Reigate) *Treasurer*; Mr. W. H. Fowler (Redhill) was re-elected *Secretary*, and Mr. S. H. Clegg (Redhill) appointed *Assistant-Secretary*, these officers, together with Messrs. Dixon, Macrae, Padwick, and Wilmshurst to form the *Committee*. Mr. Pratt, Reigate, was appointed the delegate to represent this Association on the County Executive. After the ordinary business had been concluded, the members adjourned for the annual supper, the first that had been held. An enjoyable evening was spent.

Thames Valley.—The Thames Valley Pharmacists' Association held a general meeting at Kingston-on-Thames on November 30, the President (Mr. W. M. Tims) in the chair. The secretary (Mr. Goode) reported that he had communicated with several Associations regarding the suggested increase of patent-medicine stamp values; the replies he had received were in all cases in support of the resolution passed at the last meeting. A letter was received from the Chelsea Polytechnic Institute inviting the Association to inspect the institute, where day and evening classes were held for candidates for the examination of the Pharmaceutical Society. It was decided that the President and secretary should meet the authorities of the institute. Mr. W. J. Uglow Woolcock, M.P., then opened his address. After outlining his early connection with the Association he referred to Mr. O'Grady's Bill presented in the House at the end of last session. Although at first glance it appeared of no import, they never knew what would happen to a Bill of that kind. There was a current of feeling that the analytical chemist should be able to use the word "chemist" without let or hindrance, and an amendment added to that Bill might wipe out entirely the protection given to chemists under the Act of 1868. He hoped to see the time arrive when the Government of the day would not embark on any legislation affecting the interests of chemists without first consulting the Pharmaceutical Society. With regard to the Dangerous Drugs Act Regulations, he was hopeful that something would be done in the near future to test the legality of these Regulations, and that action benefiting chemists would result from it, and also from his minority report on the committee that was set up to consider the Draft Regulations. They were well aware that the authorities always referred to the British Medical Association in matters affecting the medical profession, and also to the Association of which he was secretary where questions arose relating to makers of chemicals. He was of the opinion that their Society, with a Royal Charter, should be in a stronger position where matters affecting chemists were under consideration. He made a passing reference to his work during the war at the War Office, and his retirement from Parliament at the next General Election. Mr. Woolcock was afterwards elected an honorary member of the Association.

West Ham.—At a meeting of the West Ham Association, recently, an address was delivered by Mr. E. A. Atkins on *The Relationship Between Local Associations and Local Branches of the Retail Pharmacists' Union*, in which he pointed out that all business matters of retail pharmacy should be dealt with by the local branch of the R.P.U., while the associations should devote themselves to educational and social functions. Organisation in the ranks of pharmacy is essential to the well-being of the craft. Arrangements had been made to hold the annual dinner in February.

Wolverhampton.—A meeting of the Wolverhampton Chemists' Association was held recently, the President (Mr. J. H. Coleman) in the chair. The Pharmaceutical Society's scheme for establishing local branches on the foundation of the existing associations was generally approved, though there was some difference of opinion as to the desirability of restricting membership to members of the parent Society. A resolution to the effect that, if possible of arrangement, the one subscription to the Society should cover that due to the local branch was carried.

Insurance Act Dispensing

A Record of matters concerning Chemists' interests in the National Health Insurance Acts

Reports from Local Centres

ENGLAND

Bolton.—Speaking at a meeting of the Insurance Committee on November 24, Mr. J. T. Cooper (chairman) presented a report which showed that there were forty-one persons or firms supplying drugs and appliances. Since the inception of the Insurance Act £232,725 7s. 7d. had been paid to Insurance practitioners by the Committee, and £58,614 2s. 9d. to chemists. Insurance prescriptions to the number of 1,960,439 had been issued.

Bournemouth.—At a meeting of the Insurance Committee, on November 28, it was reported that since the last meeting £414 19s. 6d. had been paid from the drug-fund. The Pharmaceutical Committee is constituted as follows : Messrs. W. A. Bingham (chairman), F. E. Bilson, F. B. Goddard, J. Hirst, A. E. Lodder, J. H. Sharland, D. D. Buchan (co-opted), and R. B. Laws (co-opted). The following were appointed to represent the Pharmaceutical Committee on the Pharmaceutical Service Sub-Committee : Messrs. W. E. Curtis, S. Hardwick, and F. Rose. It was decided that lactomaltine must not be debited to the drug-fund, and practitioners will be advised accordingly.

Carnarvonshire.—The first meeting of the newly appointed Insurance Committee for Carnarvonshire was held recently, when Mr. T. W. Thomas (Pwllheli) was elected as chairman and Dr. Jones-Evans (Pwllheli) vice-chairman. It was estimated that there would be a deficit of £236 at the close of the year on the administration fund. It was pointed out that, in accordance with a scheme drawn up by the Ministry of Health, committees were permitted, in respect of 1921, to draw upon their general purposes fund to an extent not exceeding 50 per cent.

London.—The monthly meeting of the Insurance Committee was held on November 17, Mr. Thomas (vice-chairman) presiding. The following were appointed members of the Pharmaceutical Service Sub-Committee : Mrs. J. Lesser, Messrs. G. L. Lingstrom, W. E. Peters, G. B. Barnard, J. Keall, and A. R. Melhuish.

Middlesex.—At the November meeting of the Pharmaceutical Committee correspondence from the Retail Pharmacists' Union and the Pharmaceutical Society was received and dealt with. A report received from the Middlesex Checking Department showed that for the first nine months of 1921 the total cost of prescriptions dispensed was £33,000 approximately. The number of "urgent" prescriptions was 774 for the first quarter and 557 for the second quarter; the value of the "urgent" fees was £16 5s. 9d. and £12 13s. respectively. A similar reduction in the number and value of "urgent" fees during the second quarter was manifested throughout the whole South-Eastern division. Ministry of Pensions prescriptions were fairly constant in number and value for the second three months of the year, approximating to 20,000 per month, at a total cost of over £1,200 per month. Statistics for the quarter were given as follows:

	Scripts	Aver.	Prescript.	Aver.	Drugs	Fee
1st Quarter...	260.976	11·72d.	316.009	9·67d.	4·73d.	4·94d.
2nd Quarter...	205.337	12·11d.	251.157	9·94d.	4·39d.	5·55d.
3rd Quarter...	191.775	11.85d.	236.394	9·62d.	4·08d.	5·54d.

Nottingham.—At a meeting of the Pharmaceutical Committee held on November 21, Mr. A. Eberlin in the chair, the election of officers resulted as follows: *Chairman*, Mr. A. Eberlin; *Secretary*, Mr. A. L. Milne; *Treasurer*, Mr. A. E. Beilby. Messrs. A. Eberlin, E. S. Waring, and E. C. Carr were appointed to the Pharmaceutical Service Sub-Committee. As only eleven members were nominated, Mr. Craig is to be co-opted as the twelfth member, if willing to serve. The Committee has been re-elected for two years from June 1921. Lengthy consideration was then given to a circular from the Retail Pharmacists' Union in respect to adequate service, and it was resolved that panel chemists be circularised on the matter.

November Drug Tariff

The following are the alterations for November in the Insurance Drug Tariff for England and Wales:

Lower.—Aloinum, 10d. oz.; argent. proteinat, 1s. 4d. oz.; atrop. sulph., 2s. gram; codeina, 4s. dr.; codein. phosph., 3s. 8d. dr.; collod. belladon. B.P.C., 1s. 1½d. oz.; dec. sarsæ jam. co. ex. conc., 5s. 8d. lb.; emuls. olei morrhuæ B.P.C., 1s. 5d. lb.; ext. malt. liq. B.P.C., 1s. 5d. lb.; glycer. acid. tannic., 3s. 10d. lb.; guaiacol carbonas, 1s. 11d. oz.; inf. buchu, ex. conc., 7s. 8d. lb.; inf. serpentariæ ex. conc., 7s. 8d. lb.; lin. ammon., 3s. 2d. lb.; lin. methyl sal. co. B.P.C., 9s. lb.; liq. copaib. et buchu et cubeb. B.P.C. 6s. 8d. lb.; liq. santal. co. B.P.C., 8s. lb.; naphthol, 7½d. oz.; ol. cinnam., 8s. 6d. oz.; ol. eucalypt., 3s. 6d. lb.; ol. menth. pip. redistilled, 25s. 6d. lb.; pasta zinci et gelatin. B.P.C., 3s. lb.; plumbi acet. pur., 1s. 5d. lb.; pot. permang., 1s. 11d. lb.; pulv. glycyrrh. co., 1s. 6d. lb.; pulv. ipecac. co., 5s. 8d. lb.; pulv. rhei co., 4s. 6d. lb.; pulv. sodæ tart. eff., 9.0d. doz.; rhei rhizoma pulv. E.I., 10s. lb.; sacc. alb., 8½d. lb.; sodii sulphas, 4½d. lb.; strych. hydrochlor., 11s. 3d. oz.; syr. calc. lactophosph., 2s. 4d. lb.; syr. codeinæ phosph., 2s. 10d. lb.; tr. buchu, 7s. 8d. lb.; tr. iodi fort., 9s. lb.; tr. lobeliæ '85, 5s. 8d. lb.; tr. nucis vom., 5s. lb.; tragacanth. pulv., 25s. 6d. lb.

Higher.—Acid. acetylsal. pulv., 5½d. oz.; acid. salicylic. B.P., 2s. 10d. lb.; acid. tannic., 7s. 8d. lb.; ammon. ichthosulph., 4½d. oz.; anthem. flor. exot., 3s. 6d. lb.; argent. nit., 3s. 6d. oz.; barbitonum. 2s. oz.; calc. chlorid., 1s. 6d. lb.; chloroform. camph. B.P.C., 9s. 6d. lb.; dec. senegæ, ex. conc., 7s. 2d. lb.; inf. senegæ, ex. conc., 5s. 3d. lb.; lithii carb., 1s. 5d. oz.; menthol, 3s. oz.; methyl salicylas, 5s. lb.; ol. caryoph., 18s. 3d. lb.; ol. terreb. rectif., 2s. 10d. lb.; phenacetin, 11d. oz.; phenolphthalein, 8d. oz.; resorcinum, 1s. 2d. oz.; sacc. lact. pulv., 2s. 4d. lb.; santonin., 60s. oz.; sulphonal, 2s. 8d. oz.; tr. senegæ. 6s. 8d. lb.; ung. acid. boric. B.P., 1s. 11d. lb.; ung. sulphuris, 1s. 11d. lb.; ung. zinci, 1s. 11d. lb.; plaster of Paris bandages, 2 in. by 6 yds., 18.8d.; 3 in. by 6 yds., 26.0d. each.

SCOTLAND

Kirkcaldy.—The following have been elected to the Pharmaceutical Committee: Messrs. Jas. B. McLaren (chairman), Frank Stewart, John H. Low, J. Whyte, and Peter Fenton, F.C.S. (secretary).

Safeguarding British Industries

Cream of Tartar Complaint

At the meeting of importers and dealers in cream of tartar held at the London Chamber of Commerce on November 23 in order to formulate their complaint against the inclusion of cream of tartar in the list of articles chargeable with duty under Part I. of the Safeguarding of Industries Act, 1921, it was decided to act together. Mr. Kenneth Swan will conduct the case for the importers and dealers, and Mr. E. J. Parry, B.Sc., will give evidence on their behalf. The next complaint to be heard deals with milk-sugar, when strong representations will be made by infants'-food makers. The Board of Trade will advertise the date of hearings in the Press, and invite persons interested to communicate with them.

Protection Wanted for Arsenic

The producers of arsenic in Devon and Cornwall are agitating to have white arsenic placed on the list of fine chemicals. At present the trade in this chemical is menaced by the competition of foreign makers, who send in a product of high chemical purity, but which is not recognised as coming under the Act. The contention of the British producers is that arsenic should pay the 33⅓ per cent. import duty, so that this industry might be revived and extended to meet the requirements of the whole country, thus giving employment to many out-of-work miners. A full statement of the facts is to be placed before the Board of Trade.

Milk of Magnesia

The Board of Trade (says the "Westminster Gazette") has not yet decided how much duty under the Act must be paid on the small chemical ingredient contained in Phillips' Milk of Magnesia, although it is nearly two months since the consignment arrived from the United States. The importers recently paid a deposit of more than £600, representing one-third of the total value, to obtain the release of the goods, which had then been lying at Southampton Docks about six weeks. The dutiable ingredient is worth about £15, so that the tax cannot amount to more than £5. The goods have been delivered in London, but the Customs still hold the cheque. The Chemical Trades and Users' Committee decided, on November 30, to request the Board of Trade to state immediately how much duty is payable, and to order the return of the balance of the deposit. If a satisfactory answer is not forthcoming, the Committee will consider legal action.

What is a Fine Chemical?

The British Association of Chemists have issued a preliminary report of the Special Committee on the Safeguarding of Industries Act, in which they state that the governing phrases employed in this Act, "chemical," "fine chemical," "chemicals manufactured by fermentation processes," are not for the present purpose interpretable in purely scientific terms. The contents and avowed objects of the Act must, and accepted commercial usage should, be taken into consideration. Repeal or emendation of the Act is not a present issue. What is immediately necessary is to secure the expression of a considered opinion by chemists with commercial experience reconciling the views of those producing and those consuming "chemicals" as an authoritative guide to the administration of the Act. The Committee submit the following:

Suggested Interpretations

"Chemical."—A manufactured article, not being a food or drink, whose commercial value is not mainly dependent on its form.

"Fine Chemical."—A chemical of restricted use prepared especially for that use.

"Chemicals manufactured by fermentation processes."—A chemical is deemed to be manufactured by "fermentation process" when the main object of the fermentation is to produce that chemical.

Purity in itself is not necessarily a criterion of "fineness" of a chemical.

The third definition would exclude tartaric acid from classification as a fermentation product, leaving open for decision its title to inclusion as a "fine chemical." These

interpretations, while they have been very carefully considered by the Special Committee of the Association, are put forward provisionally to furnish a basis for discussion, in order by such interchange of opinion to establish formulas that will command general acceptance.

Chemical and Dyestuff Traders

The Chemical and Dyestuff Traders' Association, in a circular just issued to members, announce that the Chemical Merchants' and Users' National Vigilance Committee, recently formed, has had several meetings and is now engaged in going in detail into the list under Part I. of the Act to see what articles can be successfully challenged. The articles to which specific objection is taken amount to a considerable number, and the Association hopes that the Board of Trade will be induced to make some concession in response to the strong representations on behalf of the merchants interested. With reference to phosphate of ammonia, one firm points out that they have supplied this material to firms for many years past for timber-fireproofing here, and with the present rate of duty, plus increase of cost, it would make it practically impossible for their customers to continue to use it. The pre-war price of this, it is pointed out, was £30 per ton, to-day's price being about £56 exclusive of duty. It will therefore be seen that the addition of 33⅓ per cent. to the latter price brings the total to about £74 per ton c.i.f. At this price people such as railway companies and shipbuilders, who wish to use fireproof timber, would hesitate to do so owing to the excessive cost. In response to an inquiry as to the position of wood creosote under the Act, the Board of Trade inform the Association that genuine pure wood creosote is not included in any of the lists which have been issued defining certain of the general descriptions of goods mentioned in the schedule of the Act, nor does it fall under any of the remaining general descriptions. It is accordingly not liable to duty under Part I. of the Act. The Board of Trade also officially inform the Association that antimony salts are not in the list, and therefore not dutiable. In view of the fact that this article has been held by the Customs to be dutiable because it contained antimony fluoride, this decision will be much appreciated in the trade. The Association has been in communication with the Customs as to whether any regulations have been issued respecting importation of goods produced or manufactured in the British Empire. For example, can goods of certified Canadian origin, but bought in America and lying in New York, be admitted free of duty on a certificate sworn before the British Consul in New York, and would the same condition apply to any goods of similar origin coming from any country outside the Empire?

The Customs authorities, in their reply, state that the relief afforded by Sub-section (3) of Section (1) of the Safeguarding of Industries Act applies only to goods shown to the satisfaction of the Commissioners to have been consigned from and grown, produced or manufactured in the British Empire. For the purposes of the sub-section goods are deemed to have been manufactured in the British Empire which would be treated as having been so manufactured for the purposes of Section 8 of the Finance Act, 1919 (which applies to Imperial preference).

In the hypothetical case mentioned by the Association the goods would apparently be consigned from New York, and no title to relief from the sub-section would exist in these circumstances.

According to paragraph 13 in Notice 27A relative to preferential duties of Customs in this country on imported goods, it is essential to prove that the goods were consigned from a part of the Empire to the United Kingdom, and not to a foreign country from which they were subsequently re-consigned to the United Kingdom.

The Santonin Appeal

The hearing of the first appeal against the Board of Trade under the Safeguarding of Industries Act, 1921, was begun at the offices of the Board on November 26, Mr. Cyril Atkinson, K.C., the referee appointed by the Lord Chancellor under Section 1 (5) of the Act, presiding. The case in question was a complaint preferred by the Eastern and Russian Trading Co., Ltd., and the Chemical Merchants and Users' Committee of the London Chamber of Commerce, that the drug santonin has been improperly included by the Board in the lists issued by them of articles chargeable with duty under Part I. of the Act. Mr. Kenneth Swan appeared for the appellants, and Mr. Whitehead was counsel for the Board of Trade.

Mr. Swan, in opening the case for the appellants, explained that the view taken by the Board of Trade was that santonin falls under the definition "and other fine chemicals" used in the Act. Santonin was technically known as a bitter principle found in *Artemisia maritima*, which grew in considerable quantities in Southern Russia and Turkestan. This bitter principle was extracted from the plant, whose generic name was *Santonica*. Other species of the plant had lately been discovered in Tibet and parts of India at great altitudes which gave a small yield of santonin, but the plant which gave a marketable quantity belonged to the species *Artemisia maritima*. The process of extraction of the drug was a simple one, and was carried out under the control of the Soviet Government. Dealing with the meaning of the phrases "synthetic chemicals," "organic chemicals," and "fine chemicals," Mr. Swan said santonin was certainly not a synthetic chemical. The term "fine chemical" was not a scientific one, but of commercial usage. It was a class of chemicals excluding alkaloids, essential-oil extracts, and medicinal preparations and drugs. It would be very difficult to get chemists to agree as to what a fine chemical was. It was easier to say what the term excluded than what it included, because the chemicals it included were legion. The Board of Trade had swept in every chemical which could conceivably be included as a fine chemical, their idea being that those who did not like their decision would appeal against it.

Mr. E. J. Parry, F.I.C., who explained that he had had considerable experience of commercial chemistry, described the chemical process of extracting santonin by milk of lime. It was a process which did not require great skill. A commercial yield would be 1½ per cent. The only santonin in the world was produced by the Soviet Government. It could not be made synthetically because its constitution was not yet known. While he did not wish to rush in where angels had feared to tread, he would define a fine chemical as one which required considerable skill in its manufacture, was of a high degree of purity, was dealt with in comparatively small quantities, and was comparatively expensive. In cross-examination by Mr. Whitehead, Mr. Parry said santonin was not likely to be manufactured in this country, because the Soviet Government would not allow the raw material to come here. Attempts had been made in various places to manufacture santonin, but without success. Within two days of the Act coming into force the price of the article went up 30 per cent. He did not think it would be possible to produce santonin synthetically in the near future. Counsel caused laughter by remarking to the witness, "If you go abroad and return, you might yourself be liable as a chemical to a 33⅓ per cent. *ad valorem* duty, according to your value as a man, because your blood contains hæmoglobin, which is one of the articles scheduled under the Act."

Dr. Fox, superintending chemist of the Government Laboratory, called by the Board of Trade, said he had no doubt that santonin was a fine chemical. Its constitution was well understood, and its synthetic production was, he thought, within the bounds of possibility. A man, if he was fortunate, might hit on it "first go," or it might take him five years to get it. Mr. F. H. Carr (The British Drug Houses, Ltd.) said that in his opinion santonin was unquestionably a fine chemical. Mr. J. F. Ronca, principal staff officer of the Board of Trade, who was largely responsible for the preparation of the list, said that only prepared articles were included. In reply to a question by Mr. Swan, witness said they had had a good deal of difficulty about menthol, and it was proposed to put "R" against menthol in the list.

The hearing was adjourned.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, December 1

TRADING in Mincing Lane produce for investment or speculation, which is the mainstay of the brokers' business, has now to all intents and purposes ceased for the remainder of the year. The improved feeling noted in the home trade continues, although buying is strictly minimum quantities only in view of stocktaking operations at the end of the year. The changes of the week include a further substantial advance in crude and refined camphor, due to temporary spot scarcity. Menthol is a trifle easier on spot; it is anticipated that only recrystallised menthol will be subject to import duty, the matter being rectified by placing the letter "R" against this item in the key list. Norwegian cod-liver oil has been sold at higher prices at the source. Mercury has a steady undertone; English vermilion is 3d. per lb. dearer. Shellac has fluctuated considerably, and is decidedly lower on balance. Industrial and mineralised methylated spirit has been reduced 1s. per gallon and methylated ethers by 2d. per lb. Ginger remains firm; cloves are inactive; and pepper has been irregular. Cumin seed is firmer and hemp seed easier; canary has shown slightly more demand.

Higher	Firmer	Easier	Lower
Camphor, refined slabs and English flowers Mace oil (Dutch) Palm oil (Lagos) Vermilion	Barbitone Cinnamon-leaf oil Citronella oil Cumin seed Pepper Tannic acid	Bergamot oil Camphor oil Groundnut oil Guaiacol carb. Hemp seed Maize-starch powder Mentbol Olibanum Orange oil Patchouli oil Phenol-phthalein Pot. carbonate Pot. prussiate Sassafras oil Soda chlorate Soya-bean oil Spearmint oil Turpentine	Cocoa butter Cognac oil Cottonseed oil Ethers, meth. Mandarin oil Potash caustic Rice-starch crystals Shellac Spirit, meth.
	Steadier Lithopone Palm-kernel oil		

Cablegrams

BERGEN, December 1.—Sales of finest non-congealing Lofoten cod-liver oil have been made at up to 102s. per barrel c.i.f., and the market is firm.

NEW YORK, December 1.—Business is quiet. Podophyllum (mandrake) root is dearer at 11c., and euonymus (wahoo) bark of root is also higher at 60c. per lb. Elecampane root has declined to 12c., and belladonna leaves to 15c. per lb.

Crude Drugs, etc.

AGAR-AGAR is firm, with spot sales of No. 1 at 3s. per lb., and November-December shipment at 2s. 9d. c.i.f.

The exports from Japan during August amounted to 118,038 kin, valued at 119,211 yen. During the eight months ended August 31 they were as follows:

	1919	1920	1921
Kin	1,159,794	759 357	1,263 599
Yen	1,528,400	1,202,991	1,326 591

ANTIMONY.—English refined is very quiet, in spite of recent reductions. Foreign regulus ranges from about £24 to £25 per ton for near-at-hand lots, and crude from £15 10s. to £16 c.i.f. A little more spot is available, which is quoted about £17.

CADMIUM is in steady demand at 5s. 9d. per lb., sellers asking 6s., the supply being restricted, with but little coming in.

CAMPHOR (CRUDE) shows an aggregate advance of 4d. per lb., spot sales of Chinese having been made at from 3s. 8d. to 4s. To arrive, December-January shipment has been sold up to 3s. 8d. per lb. c.i.f. with buyers.

CAMPHOR (REFINED).—Owing to renewed Continental demand the spot market for refined 2½-lb. slabs advanced 6d. per lb. towards the close of last week, from 4s. 9d. to 5s. being paid, but in the absence of adequate stock sales are quite retail at these prices. To arrive, the sales include October-November shipment at 3s. 11d., and December-January at 3s. 9d. to 3s. 10d. c.i.f. Goods afloat (ship declared) have been sold up to 4s. 3d. to 4s. 4d. c.i.f. Sales of ¼-oz. tablets have been made at 4s. 6d. spot, with further buyers at 4s. 9d., sellers asking 5s. December-February shipment is quoted at 4s. 4½d. c.i.f. English refiners have advanced their prices of flowers a further 2d. per lb. to 4s. 9d., and 4s. 7d. for contracts.

The exports from Japan during August amounted to 1,647 kin, valued at 304,757 yen. During the eight months ended August 31 they were as follows:

To	1919 Kin	1920 Kin	1921 Kin
British India	378	3 315	2.403
Great Britain	1,017	1,263	1,053
France	930	259	322
United States	11,086	2,368	1,361
Australia	17	182	515
Other Countries	501	1,304	835
Kin	13,929	8,691	6,489
Yen	4,472,459	4,483,716	1,294,668

COCOA BUTTER is 1d. per lb. lower, prime English offering at 1s. 8½d. per lb. on the spot in not less than 1-ton lots.

COD-LIVER OIL.—Our Bergen correspondent writes on November 28 that, although the demand was better last week, finest non-freezing steam-refined cod-liver oil is still quoted at 95s. to 98s. per barrel c.i.f. London. The tendency is, however, firm. In London sellers still quote from 85s. to 90s. per barrel c.i.f.

ERGOT.—A small business is passing at from 4s. 9d. to 5s. per lb. for Spanish or Portuguese.

GLUCOSE.—Guaranteed water-white is quoted at 25s. per cwt., duty paid.

GUM ACACIA.—Usual fair half-hard Sudan sorts offer at 50s. per cwt., and to arrive at 43s. c.i.f.; cleaned is 57s. 6d. spot.

HEN YOLK is dull. Chinese hen liquid 2 per cent. spot is quoted at 110s. per cwt. for prime and for January-March delivery 95s. c.i.f. has been paid. Dried whole native on the spot is 2½d., and sprayed 6d. Dried yolk spot is 4d. Hen albumen on the spot is 2s. 11d., and for December-January shipment 2s. 10d. per lb. c.i.f. is quoted.

HYDRASTIS is in fair demand at about 21s. per lb. on the spot.

JUNIPER BERRIES.—Fair Italian are offered at 18s. per cwt. c.i.f. to arrive.

LOBELIA HERB is in small demand at about 1s. 4d. per lb.

MACE OIL.—Dutch has advanced to 7s. 6d. per lb.

MAGNESIUM is offered from the Continent at prices ranging from 3s. to 3s. 6d. per lb., and home makers quote 4s. 6d. upward for sticks. Magnesium powder is worth about 4s. per lb., with sellers of imported thereat.

MENTHOL.—We understand that the Board of Trade intend to affix the letter "R" against menthol in the key list, which will mean that the usual quality crystals from Japan will be free of duty, but the recrystallised will be taxed. There appears to have been no imports of menthol to London since the Act came into operation. It is stated that the stock held for liquidation by a bank has now been reduced to about 350 cases. Spot prices are a trifle easier this week at from 21s. 6d. to 22s. per lb. for Kobayashi-Suzuki, according to quantity, and for November-December shipment sellers quote 19s. c.i.f.

The exports from Japan during August amounted to 215 kin, valued at 179,881 yen. During the eight months ended August 31 they were as follows:

	1919	1920	1921
Kin	1,858	3,358	1,412
Yen	1,823,958	5,137,260	1,307,170

MERCURY.—The undertone seems firm, there being a more satisfactory inquiry for export, chiefly for the Eastern markets, although part of such requirements is being filled by direct shipments from Italy The home demand is somewhat better. So far as can be gathered, there are no sellers at below £10 5s. per bottle, while the leading importers' limit is retained at £10 10s. The American market is reported quiet, ample stocks being still available there, in spite of the low productiou.

OLIBANUM is easier, fair pale drop offering at 100s., siftings at 80s., and good garblings at from 60s. to 70s. per cwt. on the spot.

ORRIS.—Good Florentine sorts offer at 40s. per cwt. c.i.f. and Verona at 27s. 6d. c.i.f. Best trimmed finger is 3s. 8d. to 3s. 9d. per lb.

SENEGA is in fair demand on spot, and steady at from 4s. 2d. to 4s. 3d. per lb. net.

SHELLAC has fluctnated considerably, having been affected by the sharp ups and downs in the rupee exchange. The price of spot TN Orange weakened down to about 330s. per cwt. late last week, but holders are not inclined to part with much, due to the recent very heavy deliveries and the expectation that these will show a very large decrease for the month. Spot TN closes at 345s.; fine second Orange is 380s. to 390s., superfiue 410s., RL1 385s., AC cakey 290s., GAL 275s., and IG 230s. Fntures are lower, the sales including December at 327s. 6d. to 315s., and March at 312s. 6d. to 295s.

SPIRIT (METHYLATED).—The makers announce a reduction of 1s. per gallon on and from November 28, their prices being as follows:

In One Delivery	Industrial Methylated Spirit		Mineralised Methylated Spirit	
	61 o.p.	64 u.p.	61 u.p.	64 o.p.
100 gals. and upwards	3s. 11d.	4s. 0d.	4s. 10d.	4s. 11d.
30 „ and under 100	4s. 1d.	4s. 2d.	5s. 0d.	5s. 1d.
10 „ „ 30	4s. 3d.	4s. 4d.	5s. 2d.	5s. 3d.

SQUILL.—Dried white offer at 20s. per cwt. c.i.f. to arrive.

STARCH PRODUCTS.—Farina is dull of sale. The value of Japanese No. 1 afloat is 26s. per cwt. c.i.f., and Dutch farina on the spot is unchanged at 26s. 6d. Maize-starch powder is easier at 12s. 6d. per cwt. on the spot, and pure rich-starch crystals are lower at £38 per ton.

VERMILION has advanced 3d. per lb., English makers quoting from 4s. 1d. to 4s. 4d. per lb. net according to quantity.

WAX, BEES'.—Gennine pure Italian to arrive is offered at £6 per cwt. c.i.f.

WAX (JAPANESE) is quiet at 100s. per cwt. on the spot and 85s. c.i.f. to arrive.

The exports from Japan during August amounted to 3,317 kin, valued at 115,778 yen. During the eight months ended August 31 they were as follows:

	1919	1920	1921
Kin	9,787	5,109	15,556
Yen	409,669	260,924	544,769

WITCH-HAZEL LEAVES have been selling on the spot at abont 7d. per lb.

Seeds and Spices

ARROWROOT is quiet, good manufacturiug St. Vincent offering at from 4¼d. to 4½d. per lb., and common at 3½d.

CHILLIES continne scarce, Sierra Leone being in limited supply at 175s. to 185s. Zanzibar are nominal at 160s. Bombay capsicums are qnoted at 45s. to 50s., and good at 75s. per cwt.

CLOVES continne quiet, the spot value of fair Zanzibar being 1s. 7d. per lb., the value of December-February shipment being 1s. 4½d. c.i.f.

GINGER is firm, washed rough Cochin offering at 70s. to 75s. and wormy 57s. 6d. to 60s. Sierra Leone in Liverpool is 32s. Medium to good Jamaica on the spot is quoted at 195s. to 200s. per cwt. Business has been done at 62s. 6d. in rongh Calicut.

PEPPER has fluctuated somewhat, closing firm. On the spot fair black Singapore has been sold at 3⅝d. to 3¾d., closing at 3 7/16d. per lb. November-January and December-February shipments have been sold at 3½d. to 3 7/16d. per lb. c.i.f.; also October-December at 3½d., and January-March at 3⅝d. to 3 7/16d. c.i.f. Lampong is 4¼d., Tellicherry 4¼d., and Aleppy 4d. on the spot. White pepper closes firm, fair Muntok offering at 7⅝d. per lb. on the spot; to arrive, December-February and January-March shipments have been sold at 7½d. to 7d. c.i.f. Singapore is 7½d. on the spot, and the value of November-January shipment is 7d. c.i.f.

SEEDS.—Busiuess continues quiet, the following being spot quotations: Anise is unchanged: Spanish, 72s. 6d.; Russian, 71s. per cwt. Canary seed is in rather more inquiry, and several hundred bags were sold last week: Spanish, 100s. to 120s.; Tangier, 75s. to 80s.; Mazagan, 85s.; Larache, 70s. for good quality; La Plata, 50s. to 70s. as to quality. Caraway seed.—Dutch, 35s. for prime quality to 30s. 9d. for inferior; Morocco is unobtainable. Coriander seed,—Sound, 28s. 6d.; sound but musty, 20s. to 24s.; wormy, 14s. to 19s. Cumin seed is firmer at 52s. 6d. for fair quality and 35s. for dusty. Dill seed.—East Indian is now quoted at 24s. 6d. per cwt. Fennel seed.—40s. per cwt. in Liverpool. Fenugreek seed.—10s. 6d. to 11s. 3d. per cwt., as to quality, on the spot Hemp seed is easier at 21s. per cwt. for Manchnrian on the spot. Linseed.—Morocco, 24s. 6d. per cwt. Mustard seed.—Good English yellow, 35s. per cwt.

Essential Oils

CEYLON cinnamon leaf continues in good demand at firm prices, and importers say there are no definite forward offers. Ceylon citronella has also been selling well. Patchouli oil seems for the present to have reached the top figure, and white essential camphor oil is tending easier. Sicilian oils are cheaper to come forward. Demand for American peppermint oil is good and prices remain steady. Sassafras and spearmint are weaker.

ANISE (STAR).—"Red Ship" is dull and unchanged at from 2s. 1d. to 2s. 2d. per lb., according to quantity, for spot. There are buyers at 2s.

BERGAMOT is easier at from 21s. to 21s. 6d. per lb. c.i.f. for 37 to 39 l.a. Spot is from 22s. to 23s. 6d., according to holder.

CAJUPUT is unchanged at 2s. 10½d. to 3s. per lb. for spot.

CAMPHOR is slightly easier. A fair-sized arrival parcel has been mostly disposed of, and the spot price is barely steady at 125s. per cwt. in drums or cases for white essential Japanese. For a line 122s. 6d. would be accepted. The exports from Japan during August amounted to 873 kin, valued at 23,943 yen. During the eight months ended August 31 they were as follows:

	1919	1920	1921
Kin	4,704	20,202	4,786
Yen	111,318	753,197	96,274

CARDAMOM is quoted at 72s. 6d. per lb. spot.

CASSIA on the spot is quiet at 4s. 6d. per lb. for 80 to 85 c.a.

CINNAMON.—Spot Ceylon leaf is firm at 5½d. per oz. C.i.f. quotations are difficult to obtain, and it may be that supplies at the source are becoming scarce, as steady business has been done, especially since higher prices, comparatively, for clove oil have been reached. Ceylon bark oil of B.P. quality is obtainable at from 46s. to 48s. per lb., but up to 7s. per oz. is quoted for finest grades.

CITRONELLA.—Ceylon has been in good demand, and is firm at 1s. 5½d. to 1s. 5¾d. per lb. for spot. Goods afloat are being offered at 1s. 5d., landing charges extra. There are no forward offers, bnt 1s. 4¾d. c.i.f. is probably still about the price. There is Java on the spot at 2s. 10d. to 2s. 10½d., and Burmese at from 2s. 9d. to 2s. 10½d. as to seller, which is unchanged.

CLOVE.—There is practically no demand from distillers, whose prices remain unchanged at from 12s. to 12s. 3d. per lb., less 2½ per cent. discount.

COGNAC.—Dutch (green) distilled is lower, on the spot, at 110s. per lb.

EUCALYPTUS continues in fair demand at from 1s. 8d. to 1s. 9d. per lb. for 70 to 80 per cent. cineol.

GERANIUM.—Interest continues to be shown in both Bourbon and Algerian, and the tendency is firm. Spot holders of Bourbon quote from 16s. to 16s. 6d.; some will not accept less than 17s. Only small lots at a time are being brought forward, at the source, for disposal. With regard to Algerian, it is stated that the third and last crop this year did not exceed 3,000 kilos., and prices shortly may range between 25s. and 30s. per lb. At present 25s. is the minimum figure for acceptance in some directions, but there is still some to be had at 24s.

LEMON on the spot is easier in some directions at from 2s. 11d. to 3s. 2d. per lb.; for certain brands, it is stated, 3s. 3d. and upwards is obtainable. The price to come forward is 2s. 9d. to 3s. c.i.f.

LEMONGRASS.—Cochin on the spot is 3⅛d. per oz. spot and 3d. c.i.f. to come forward.

MANDARIN is cheaper to come forward at 19s. to 21s. per lb. c.i.f. There are spot sellers at 21s. to 23s.

MINT.—Japanese Kobayashi-Suzuki is unchanged at 4s. 8d. to 4s. 7½d. per lb. as to quantity for spot; 4s. 4d. c.i.f. has been paid, and up to 4s. 5d. is quoted. The exports from Japan during August amounted to 616 kin. valued at 115,306 yen. During the eight months ended August 31 they were as follows:

	1919	1920	1921
Kin	3,235	2,612	1,699
Yen	951,587	1,632,391	370,931

NEROLI.—Good-quality Italian oil is offered at from 18s. to 20s. per oz. as to quantity.

ORANGE.—Sicilian sweet is easier to come forward at from 12s. 9d. to 15s. 3d. c.i.f. as to brand. Spot holders quote from 13s. to 15s. 3d. per lb. West Indian sweet to come forward is unchanged at about 9s. 6d. per lb. c.i.f. Spot business is reported done down to 8s. 6d., but, following the improved position at the source, holders are not now quoting under 10s.; some say 11s. per lb.

PATCHOULI.—The position is easier following arrivals, and, with further shipments afloat, Penang oil is offered on the spot at 45s., but for a line 42s. 6d. would be accepted.

PEPPERMINT.—American tin oil on the spot is unchanged at 10s. 3d. to 10s. 6d. per lb. for spot. The price to come forward is as quoted last week (9s. 3d. c.i.f.), but for quantity this would be shaded.

PETITGRAIN.—There are sellers of Paraguayan on the spot at from 9s. 6d. to 10s. 6d. per lb.

SANDALWOOD.—The official consignees of the Mysore Government oil now quote for B.P. oil (92 per cent. minimum of santalol) as follows: For five-case lots, 30s. per lb.; less than five cases, 30s. 6d.; and broken bulk, 31s. An arrival of 120 cases this week is notified.

SASSAFRAS.—For genuine natural spot quotations are easier at from 7s. 3d. to 7s. 6d. per lb. as to seller and quantity.

SPEARMINT.—There is not much demand at present, and the tendency is easier at from 19s. to 20s. per lb.

WORMSEED.—Spot is quoted at from 20s. to 21s. per lb., according to quantity.

Fixed Oils, etc.

THE market for these products, although not showing much improvement in demand, seems to be steadier after the recent continued falls in values. This week prices are fairly well maintained, and linseed oil and turpentine are quoted at higher figures. ACID OILS.—The market has been slack, but so far values are maintained but are not firm: Coconut, 34s.; palm kernel, 33s. 6d.; and groundnut, 31s. CASTOR OIL is unchanged, but the market is not at all active. Pharmaceutical is 60s.; first pressings, 55s.; and seconds, 50s. COCONUT OIL.—Business remains poor, but values, after the recent falls, seem steadier: Deodorised, 53s.; Ceylon, 45s.; and Cochin, 55s. COTTONSEED OIL.—Values for all grades are down on the week, and the market has been quiet throughout: Deodorised, 46s.; common edible, 43s.; soapmaking, 40s.; and crude, 38s. GROUNDNUT OIL.—No improvement in business is recorded, and prices at the close are a shade easier again: Deodorised, on spot, is 55s.; crude Oriental, for shipment, 48s. c.i.f. PALM-KERNEL OIL is steadier, but business remains very light. Deodorised, 47s. 6d.; crude, 41s. PALM OIL.—Lagos is quoted at an advanced figure at the close at 36s. Softs are unchanged at 33s.; hards, 31s. 6d. Market is still dull. RAPE OIL.—Values are on about the same level as last week on a dull market. Refined, 56s.; and crude, 50s. SOAP-STOCK GROUNDNUT is not available, and values are nominal. SOYA-BEAN OIL.—After last week's considerable decline in values another slight drop is recorded this week, with the market still slack. Deodorised, 45s.; crude Oriental, for shipment, 36s. c.i.f. LINSEED OIL.—The undertone is again rather better, due to a fairly active export demand, while the market has been influenced by the stronger tone in seed. In spite of the talk of improvement in general trade, the demand from home consumers is anything but brisk, but crushers are not inclined to press sales, in view of the sustained foreign outlet. London spot closes at 28s.; December, 26s. 6d.; January-April, 27s.; May-August, 27s. 6d.; Hull naked on spot, 27s. OLIVE OIL is offered at from 10s. to 11s. per gallon for French edible and at from 7s. 6d. to 8s. per gallon for Spanish. TURPENTINE.—Good deliveries and limited arrivals have resulted in a further hole being made into the London stocks, which have fallen to about 14,500 barrels, but there is not a great deal of trade demand. Holders in the Northern markets are asking prices generally above London terms, and there is no eagerness to offer anywhere, while the rate of the sterling has been rather weaker. The tendency in America has kept very steady, and a fresh move depends on developments there. London spot prices closed at 70s. 6d.; December, 70s. 6d.; and January-April, 70s. 9d. TALLOWS.—The market has not been at all active during the past week, and closes dull. Prices are perhaps just a shade easier all round. Fine mutton, about 47s.; fine beef, 48s.; good mixed, 40s.; inferior, 34s.

Lubricating, Mineral Oils, etc.

THESE markets have been on the quiet side throughout the week, but prices are well maintained, and they may be taken as generally unchanged and steady. BENZOL remains quite steady and showing limited activity at: Pure, 3s. 3d.; 90's, 2s. 9d. to 2s. 10d. per gallon, in drums. BURNING OIL is steady but not very active at: Crude, No. 3, is 8½d.; No. 2, 8d. per gallon in barrels. FUEL OIL is steady but not active; 905 to 910 gravity, £5 10s.; 950 gravity, £4 per ton. NAPHTHAS continue steady but not very bright at: Solvent naphtha, 90 to 160, 2s. 10d. to 2s. 11d. per gallon; heavy, 90 to 190, 2s. 8d. to 2s. 9d. per gallon. PARAFFIN WAX AND SCALE is steady and firm at 2⅝d. to 4d. per lb., according to melting-point, in bags ex wharf; scale, 2¼d. per lb. spot London for 122 to 124 F. PETROLEUM OILS are firm, with prices unchanged at: American standard white, 1s. 4½d.; water-white, 1s. 5d. PETROLEUM JELLIES steady and quiet. Snow-white, £77; pale-yellow, £37; amber B.P., £36; amber, £31; red vet, £27; dark stiff green, £25, barrels free, London. SPECIAL OIL for Diesels and motors is unchanged and steady at 10d. per gallon, barrels free. WHITE OILS are unchanged, and market is dull. Special No. 1, £54; No. 1, £50; No. 1A half-white, £43; No. 2 half-white, £35, ex wharf London, barrels and drums free. LUBRICATING OILS.—There has been no further change in the price of crude, and the spot market remains unaltered. Pales, £15 to £28 10s.; reds, £21 to £37; dark cylinders, £23 to £42; filtered cylinders, £30 to £53; blacks, £8 10s. to £25, all less 2½ per cent., ex wharf London. Soluble oil is steady at £27.

Pharmaceutical Chemicals, etc.

THE "slump" which has been taking place for some months seems to be coming to an end, and this week prices are recorded generally at about last week's level. Business, however, continues to be very unsatisfactory, but

in view of the higher quotations for forward delivery, holders are maintaining their present prices fairly well. At the moment quotations are varying to a considerable extent on the spot, but the bulk of those quoted below are average prices. Quotations from Germany are now in foreign currencies only, which does not prevent buyers here being circulated with absurdly low offers by dealers, whose inability to procure export licences has become notorious.

ACETANILIDE is still quoted at about 1s. 5d. to 1s. 6d. per lb. for B.P., but the demand is poor.

AMIDOPYRIN continues erratic, with offers from 19s. to 22s. The demand is very light.

ASPIRIN remains slack, and some few lots are quoted at a shade below the average price of 3s. per lb.

ATROPINE SULPHATE remains almost uncalled for at 18s. to 19s. per oz.

BARBITONE seems steadier and not much now offering below 12s. to 12s. 6d. per lb., and in view of forward prices, which are advanced, the market is firmer.

BENZALDEHYDE (.03) remains slack but steady at 3s. 9d. per lb.

BENZONAPHTHOL remains quoted at 6s. 6d. per lb. on a dull market.

BETANAPHTHOL is seldom called for, with values weak at about 3s. 6d. per lb.

BROMIDES.—The market for these products is still decidedly dull, but values seem steadier on account of higher prices forward. Ammonium is steady at 10d. to 11d. per lb. For potassium, crystals and granular, about 8½d. is the average price, with perhaps some few lots slightly cheaper. Sodium remains dull at 11d. per lb.

CALCIUM LACTATE remains slack, with values unchanged at 2s. 3d. to 2s. 5d. per lb.

CHLORAL HYDRATE is only in poor demand, with values steady at 5s. 3d. to 5s. 6d. per lb.

CITRIC ACID.—English makers now quote 2s. 2½d. per lb. for contract quantities of 1-ton lots and upwards, and 5-cwt. lots at 2s. 3d. per lb.

COCAINE.—Hydrochloride is selling at 10s. 6d. per oz. for small lots.

CREAM OF TARTAR.—English make is unchanged at 122s. 6d. per cwt., less the usual discount, for 99 to 100 per cent. B.P. powder in contract quantities for prompt or forward delivery, with smaller quantities at proportionately higher prices.

CREOSOTE.—B.P. remains quiet and unchanged at 3s. 9d. to 4s. per lb.

CREOSOTE CARBONATE is irregular at 13s. to 14s. per lb., with the market still slack.

ETHERS (METHYLATED).—The makers have reduced their prices of pure from methylated alcohol by 2d. per lb. B.P. s.g. 0.720 is now 1s. 7½d. per lb. in W. qts., and s.g. 0.735 is 1s. 4½d.; 12 W. qts. are ½d. per lb. less.

GUAIACOL CARBONATE averages about 12s. to 12s. 6d. on quotation, with a very poor demand.

HEXAMINE has firmed up a little, and is now quoted at 4s. to 4s. 3d. per lb. The demand is still far from good.

HYDROQUINONE is seldom asked for; quotations stand at 4s. 3d. per lb.

METHYL SALICYLATE remains steady but slack at 2s. 6d. to 2s. 9d. per lb.

METHYL SULPHONAL remains very unsteady, quotations varying from 19s. up to 22s. per lb. There is very little demand.

MILK SUGAR has been sold rather more freely at about 150s. per cwt. on the spot for finest powder. A complaint is to be heard shortly by the Referee as to its inclusion in the Key Industry list.

PARAFORMALDEHYDE is steady but in poor demand at 3s. 6d. per lb.

PARALDEHYDE is still generally quoted at about 2s., with occasional offers below this figure. The demand is small.

PHENACETIN is steadier at from 5s. 6d. to 5s. 9d. per lb., although the demand is for small lots only.

PHENAZONE is held steadily at 8s. per lb., with little activity.

PHENOLPHTHALEIN is weaker at about 3s. 9d. per lb. on the spot in cases.

PIPERAZINE on spot in good supply at 4s. per oz. is almost neglected.

POTASSIUM PERMANGANATE remains firm at 10d. to 1s. per lb. for B.P. imported.

RESORCIN remains sluggish at about 8s. 3d. per lb.

SALICYLATES.—Sodium salicylate has been very dull, and values are not at all steady: Powder, 2s. (physiologically pure, 2s. 3d.); crystals, 2s. 2d. per lb. Salicylic acid is steady but dull at about 1s. 6d. per lb.

SANTONIN offered on the spot in kilo. lots is firm at £79 to £80 per kilo.

SODIUM BENZOATE stands firm at 2s. per lb. on a dull market. It is doubtful if this chemical is now made here.

SODIUM DIETHYLBARBITURATE is slack and weak at 22s. 6d. per lb.

SULPHONAL is unchanged at 17s. 6d. per lb. on a dull market.

TANNIC ACID.—Leviss seems a shade firmer, and there has been some limited demand on spot at 5s. to 5s. 3d. per lb.

TARTARIC ACID.—English makers' prices have eased to 1s. 4½d. per lb. in contract quantities.

TERPENE HYDRATE remains steady but quiet at about 3s. 3d. to 3s. 6d. per lb.

THYMOL is still neglected, with quotations round about 22s. per lb.

VANILLIN.—One of the foreign makers quotes 42s. per lb., dealers offer at 41s.

Heavy Chemicals

London, November 30.

WITH no material improvement in business in this market prices are being fairly well maintained at about last week's level, and there appears to be a little steadier tone. The present spot prices are generally below the figures at which material could be obtained for forward delivery. Potassium carbonate, prussiate and caustic potash have moved in buyers' favour.

ACETIC ACID remains offered on the spot at about the same price as last week, but there is not much demand for stocks available. 80 per cent. pure is about £42 10s. and 98 per cent. glacial about £50 per ton.

ACETONE seems to be unwanted; British Government specification still drags on the market at £80 per ton.

ALUM is neglected, with British offered at about £16 loose and Continental in bags at about £12 10s. per ton.

AMMONIA SULPHATE.—The home trade demand is slow to revive, but the position does not admit of any weakness under the comparatively restricted output which is likely to continue for some time yet, as operations at the coke ovens cannot possibly be increased yet. Export business is fairly satisfactory.

ARSENIC shows considerable irregularity, while the comparatively high terms asked by Cornish producers up to £42 10s. delivered London have served to attract further consignments from the Continent and the Far East. The price for Cornish at which business could be done with some merchants is about £40. Japanese lying here could be secured at £2 to £3 a ton under this. General demand has been slow.

BARIUM CHLORIDE (98 to 100 per cent.).—British is about £14 10s. per ton in casks; spot lots of imported are offering at about £12 10s. with no buyers.

BLANC FIXE is steady and shows a little activity at £22 for dry imported.

BORAX.—Makers and spot holders are quoting about same figures; the market remains slack. Commercial, crystals, £31; powdered, £32; B.P. crystals, £35; powdered, £36; extra fine, £37 per ton in double bags.

BORIC ACID is still only in poor demand, with spot lots and makers quoting same prices. Commercial, crystals, £65; powdered, £67; B.P. crystals, £75; powdered, £79 per ton.

COPPER SULPHATE.—The export demand is still dull, but the tone is steady, ranging from about £28 10s. to £29 10s. per ton, less 5 per cent. for casks f.o.b. Liverpool. So far the filling of requirements for the new export season has been most disappointing, but makers

have gone about as far as they could in the way of concessions.

EPSOM SALT remains stagnant, with commercial quality quoted f.o.b. at £8 10s. per ton in bags.

FORMALDEHYDE does not improve in demand, and spot lots are still difficult to move at £80 per ton for 40 per cent.

GLAUBER'S SALT is quoted at £5 to £5 10s. per ton f.o.b. in single bags, with practically no demand.

LEAD PRODUCTS.—Export business in all compounds is extremely poor, but it is not unlikely that makers of both red and white lead may have to put up their prices again, chiefly because of the rather serious scarcity of pig lead, the price of which is very considerably dearer. The metal is being produced at a fair rate, but it is a fact that the Continent has been of late absorbing the great bulk of the Spanish supply, and thus practically starving this market. Continental competition is very severe against the British manufacturer.

LIME ACETATE is neglected, with 80 per cent. grey offering at £10 per ton.

LITHARGE shows limited activity, with imported material at about £34 per ton. British pure flake is quoted at £37.

LITHOPONE is steadier, with 30 per cent. Continental red seal at £24 per ton, and only a very limited demand. Green seal is unchanged at £32 per ton, with the market slack.

OXALIC ACID remains weak and dull at about 8½d. per lb.

POTASH CAUSTIC from home makers is reduced to £32 for 88 to 92 per cent.; spot lots are also down to about this figure, but there is very little inquiry.

POTASSIUM BICHROMATE from home makers is steady at ¾d. per lb.; spot lots are quoted round about 8d. per lb., with little or no demand.

POTASSIUM CARBONATE is a point cheaper this week at £25 to £26 per ton; the market remains slack.

POTASSIUM CHLORATE from makers is unchanged at 6d. per lb.; spot lots are easy at this figure, but there is very little demand.

POTASSIUM PRUSSIATE.—Makers are now quoting the reduced price of 1s. 1½d. for yellow and 2s. for red per lb.; spot prices have also eased off to about these figures.

SODA ASH (58 per cent. light alkali) spot London is £10 per ton and about £8 15s. to £9 in the North; the demand is still light; makers quote £8 7s. 6d. per ton for home trade only, and about £10 5s. for export.

SODA CRYSTALS for home trade from makers is steady at £7 per ton in bags, carriage paid.

SODIUM BICARBONATE remains neglected, with spot lots weak at £11 per ton refined in bags.

SODIUM BICHROMATE on the spot and from makers is steady at about 6½d. per lb., but there is very little demand.

SODIUM CAUSTIC.—There is still a limited demand for spot material, which is quoted steadily at about: 70 to 72 per cent., £24 10s.; and 76 to 77 per cent., £26 10s. to £27 per ton. Home makers are quoting for home trade only at: 70 to 72 per cent., £24 10s; 76 to 77 per cent., £26 16s. American material has been selling fairly well for shipment to the Continent.

SODIUM CHLORATE on the spot is a shade easier at about ¾d. per lb.; this price is also quoted by makers; the market is still dull.

SODIUM HYPOSULPHITE.—Pea crystals on the spot are quite neglected, with values weak at £20 per ton; commercial is also dull at £15; and home makers are quoting at £20 for photographic and at £13 10s. for commercial for home trade only.

SODIUM NITRATE remains unchanged at £14 15s. per ton f.o.r. Liverpool for 96 per cent. refined.

SODIUM NITRITE remains steady at last week's reduced figure of £38 per ton. The demand is not good.

SODIUM PRUSSIATE from makers is about 8d. per lb.; spot lots are from 8d. to 8¼d. per lb., and are firm at these figures. There has been a limited demand.

SODIUM SULPHIDE (60 to 65 per cent.) concentrated, in casks, from makers is unchanged at £23 per ton; spot lots of 60 to 62 per cent. solid, in drums, are easy and dull at £22 per ton; broken in drums is quoted at £23 per ton.

ZINC DUST.—American and English (92 to 94 per cent.) is quoted steady at £45 to £47 10s. per ton; the market is not active.

ZINC OXIDES from best British makers: White seal, £41 10s.; green seal, £40; red seal, £37 per ton—all f.o.r. makers' works.

COAL-TAR PRODUCTS, ETC.—A slightly better tone seems to govern this market, and prices are fairly firm. Limited business only has been done. ANILINE OIL remains quiet but steady at 1s. 4d. per lb., drums extra. ANILINE SALT is still quoted at 1s. 4d. per lb., casks free, but very little business is recorded. BETA-NAPHTHOL remains in small demand only, with quotations rather steadier at 1s. 9d. per lb., casks free. PARA-NITRANILINE is quoted unchanged at 6s. per lb.; sales are few. "H" ACID remains slack, with values unchanged at 6s. 6d. per lb., casks free. BUTYRIC ACID, 97 to 99 per cent., remains steady but very quiet at 6s. per lb.; English, 98 to 99 per cent., is weak and almost nominal at 6s. 3d. per lb. TOLUOL is firm although not very active at: Pure, 3s. 2d., commercial 2s. 9d. to 2s. 10d. per gallon, in drums. XYLOL is unchanged and still dull at: Pure, 4s.; commercial, 4s. per gallon, in drums. CARBOLIC-ACID CRYSTALS remain very quiet, with good supplies offering; values are not firm at 6½d. per lb., in drums, with over-casks. CRESYLIC ACID is quoted unchanged for all grades at: Crude extra, 1s. 10d.; dark, 95 per cent., 2s. 3d.; pale straw, 97 per cent., 2s. 6d. per gallon, drums extra; the market is not at all active. NAPHTHALINE remains neglected, with values so far unchanged at: Crude, £7 to £9; powder, £17; crystals, £19; flakes, £20; candles and tablets, £40 per ton, packages free. DISINFECTANTS remain slack at 3s. 9d. per gallon, drums free. PITCH is steady but not active at £3 10s. per ton, barrels free. CRUDE TAR is steady at 45s. to 50s. per ton, ex works London, and refined tar is cheaper this week at 30s. to 34s. per barrel f.o.r.

German Drug and Chemical Markets

(*Continued from last week's issue.*)

MILK SUGAR has been in very large demand. It is offered at m.55 for the home market; sales for export are made only on the basis of foreign currency.

OXALIC ACID.—M.40; for export, m.65.

PHENOLPHTHALEIN.—The very considerable stocks have been gradually depleted by regular orders at m.200; for export, m.225. A slightly inferior quality with slight external blemishes is offered at m.150; for export, m.175.

POTASSIUM BROMIDE.—The price has again been advanced by manufacturers. Offered at m.52; for export, m.60.

POTASSIUM CHLORATE.—Manufacturers are sold out and are in arrears with their deliveries. Spot potassium chlorate is offered at m.18 in barrels of 100 kilos.; for export, m.25.

POTASSIUM PERMANGANATE.—Offered at m.60; for export, m.70.

POTASSIUM SULPHOGUAIACOLATE.—Prices have been advanced by manufacturers. Offered at m.300; for export, m.400.

PYRAMIDON.—M.1,800; for export, m 2,900.

SALICYLIC ACID has advanced to m.85; for export, m.90.

SALOL is firm at m.175: for export, m.200.

SODIUM BICARBONATE.—M.6 for barrels of 400 kilos.; for export in barrels of 50 kilos., which are much appreciated abroad, at m.9.50 per kilo.

SODIUM BROMIDE.—M.50 for home and export.

SODIUM SALICYLATE is in demand, but scarce, at m.90.

SENEGA is practically unobtainable, and the price is purely nominal at m.450.

STAR ANISE OIL is firmer for the home market at m.250, while for export it is obtainable at the advantageous price of m.245.

STRAMONIUM LEAVES.—Large orders have come in from America. Higher prices are expected, and it is advisable to buy at m.28.

TARAXACUM.—As already foreshadowed, the price has advanced considerably in consequence of a brisk demand from overseas and an extremely bad harvest. Offered at the still advantageous price of m.25.

TARTARIC ACID has still further advanced, and several factories are sold out, while others refuse to supply. Very cheap at m.95 for powder, m.92 for granular, and m.100 for crystals. For export the prices are m.5 per kilo. higher.

VANILLIN.—Increased prices for oil of cloves have led to repeated advances in price. Offered at the advantageous price of m.3,200 for home and for export.

VERONAL and VERONAL SUBSTITUTE.—M.800; for export, m.850.

Letters for this section should be written on one side of the paper only. The writer may adopt an assumed name for purposes of publication, but he must in all cases furnish his real name and address to the Editor.

The Irish Preliminary Examination

Sir,—In the *C. & D.*, November 19, p. 54, I am reported as having said, at the last Council-meeting of the Pharmaceutical Society of Ireland, "The Preliminary examination was instituted by regulation, and the Council has, therefore, no power to change it." On the face of it that would have been a very ridiculous thing to say, and what I actually said was that "as the Preliminary examination was instituted by regulation, the Council has the power to abolish it as it exists at present." The power of the Council to abolish the examination by regulation is, of course, subject to the approval of the Privy Council. My statement at our Council-meeting was, of course, only my opinion as to the state of the law, and I should not think of acting on it unless supported by the opinion of legal advisers.

Yours faithfully,
D. M. Watson.

61 South Great George's Street, Dublin.

Mr. Samuel Hogg, Ph.C., writes to point out that the sentence (line 19) in his letter in the *C. & D.*, November 26 (p. 77), printed "to say that the laity cannot abolish the Preliminary examination in *petitio principii*" should read: "to say that the Society cannot abolish the Preliminary examination is *petitio principii*."

Economies in National Expenditure

Sir,—Your article (*C. & D.*, November 19, p. 62) might well have included the treatment of tuberculosis among the departments where economies might be effected. The institutional treatment of this must be the most expensive and futile of all. The Dangerous Drugs Act Regulations are paid but little heed to in the institution where I am by the assistant M.O.s, and cocaine and other "dopes" appear the chief treatment. An inspector appears to be very necessary for D.D.A. supervision in institutions. Panel practitioners are very closely supervised as to excessive prescribing; medical men in institutions appear to do as they please. The former are looked after by the Insurance Committees; the latter are rate-paid. But if an inspector were appointed, a civil servant or medico would get the post; a pharmacist would not get a look in, and so inspection would be reduced to a farce.

Faithfully yours,
C. D. (19/11).

Sir,—I am sure all *C. & D.* readers will cordially endorse the remarks in the issue of November 19 (p. 62) concerning Government extravagance in setting up under the Dangerous Drugs Act an expensive department for controlling the distribution of narcotic drugs, while there were already in existence semi-Government departments—the Pharmaceutical Societies of Great Britain and Ireland—efficiently administering the poison laws under the control of the Privy Council. This is the first time I have seen the Pharmaceutical Societies described as "semi-Government departments," but I think most chemists will endorse this view and welcome the description. There can be no shadow of doubt that the Societies hold this unique position, and that it distinguishes them from all other learned societies and from even the great medical corporations, with the exception of the Society of Apothecaries. No other learned society, with the sole exception of the Apothecaries' Society, has in its power the administration of laws which affect the public health so widely and so intimately as the *Alma Mater* of the pharmacist. The indiscriminate sale of poisons was such a menace to the health of the public that the Societies were created, not in the interest of the sellers, but of the buyers of dangerous drugs. The trust imposed on the Societies has been faithfully carried out, but so jealously regarded is the pharmacist by civil servants that when certain international obligations have to be fulfilled with reference to narcotics the Government never think of the pharmacist, and instead of tightening up the existing poison laws, which, as you point out, could have been easily and inexpensively done, a new and expensive department is created at the Home Office, manned by civil servants of no technical experience. One cannot believe that even the most spendthrift Government would have done this if the point of view indicated in the *C. & D.* had been represented in the right quarters, and if the importance of the pharmacist as a guardian of the public health had been sufficiently appreciated by Parliament and the public. As has been pointed out by other correspondents, the rise of the doctor in the opinion not only of the "man in the street," but of the statesman, has been due to his development in the last century of the science of public health. The doctor insists, in and out of season, that his mission in life is to keep the public in health as well as to heal them in sickness, and that he prefers the former to the latter, being a philanthropist first and a physician a long way afterwards. The medical societies, which are masters of propaganda, proclaim the doctor as the guardian of the public health, and rarely allow the faintest references to such a thing as fees. Now chemistry and pharmacy play just as important a part in protecting the well-being of the population as medicine or surgery, but the pharmacist has no mouthpiece to assert his services, and whereas the question of fees is kept discreetly in the background by the doctors, the question of profits looms large in all pharmaceutical publications. I suggest that the two "pharmaceutical departments of the Privy Council," as you aptly describe the Bloomsbury Square and Lower Mount Street authorities, should start a propaganda to educate the public on the important *rôle* which the pharmacist plays in relation to the public health, and that individual chemists should back it up with all their might and main. Pharmaceutical blunders such as this tiresome and unnecessary Act of Parliament will continue to be committed if we do not all combine to educate statesmen, Government departments, and the public in the important relationships which exist between pharmacy and the public health.

Yours sincerely,
Irish Apothecary (29/11).

Aspirin Tablets

Sir,—Some of the statements made in the aspirin-tablet case (*C. & D.*, November 26, p. 51) regarding the presence of free salicylic acid ought not to go on record without comment. The statements alluded to are calculated to give the reader an impression that free salicylic acid is of necessity present in aspirin tablets. And yet aspirin tablets can be produced on a commercial scale, and without unusual difficulty, entirely devoid of free salicylic acid. Moreover, it is quite possible to produce, also on a commercial scale, tablets which shall keep, under fair conditions, for a reasonable length of time, without any dissociation of the acetylsalicylic acid taking place. I would emphasise the point, not as holding that the presence of a variable amount of free salicylic acid is injurious, but merely as a fact that aspirin tablets can be delivered to the consumer, consisting of aspirin, and not of aspirin *plus* salicylic acid *plus* acetic acid.

Yours sincerely,
Bexley. J. Haddock.

The Future of the Major Man

Sir,—I have read the first two paragraphs in the article by "Xrayser II." this week with considerable interest. In taking the position that he does, with regard to the proposed development of the Major man, I think he voices the views of many pharmacists—and they are very common-sense views—but I hope to be forgiven for thinking that they are rather one-sided. In considering this subject many of the opinions that are expressed in the Press and elsewhere seem to me to leave the kernel of the matter more frequently untouched than dealt with. The crucial point, to my mind, is resolved into this: Is the pharmaceutical body, so far as public and official

ecognition is concerned, to consist only of chemists and druggists keeping open shop and of dispensers; or, on the other hand, is the pharmaceutical body, as represented by the Society, to lay claim to being an authoritative body in all matters which are the proper and legitimate concern of pharmacy, authoritative in matters not merely confined to the dispensing of doctors' prescriptions and the sale of poisons? If the former is to be the position, then there is nothing further to be said, and the Qualifying examination and the Retail Pharmacists' Union will embrace all that pharmacy requires. But if the matter does end here, it will be useless for the pharmaceutical body to expect recognition other than as being a body of dispensers and retailers of druggists' sundries. Even to-day the pharmacist must surely realise that he carries but little real authority, although in the very line in which he professes to specialise and to be proficient. If there is a question as to his accuracy in any pharmaceutical matter, criticism is taken from a quarter which is not pharmaceutical in character, and decisions are based on evidence from the same source. In matters concerned with the quality of the drugs that he uses—again a subject in which he claims to have proficient knowledge—his evidence is not greatly sought and authority turns elsewhere for advice in forming its decisions. Pharmacy is a practice most intimately associated with pure and applied chemistry, with biology and hygiene, and the natural and proper line of development of pharmacy seems to me to lie in the wake of progress of the sciences. Such development is going on, and it is going on outside the purview of ordinary retail pharmacy as now conducted. If that development carries with it a legitimate place for members of the pharmaceutical body—and I believe it does—I maintain that it is the proper function of the pharmaceutical body to provide men who are capable of taking their place in the advancing tide; to produce men who will rank, in their own particular branch, equally with men of other scientific bodies in their branches. "Xrayser II." asks: "Is there room for this new man of pharmacy to work in?" and others question whether he will make an appearance. In reply to that I would say, Let the man determine for himself; give him the opportunity of taking a qualification which will carry weight, and one meeting with recognition in official quarters and among other scientific bodies; with that opportunity I think he will appear. It is not a question of creating two classes of men, but one of holding the entire scheme of pharmacy and its development authoritatively within the functions of the pharmaceutical corporation. One must have men fitted for a position before the position arrives, and one must keep pace with events as they change unless the place is to be totally lost. If the pharmaceutical body does not see its way to meet new demands and conditions, other bodies are quite ready to take its place. The shop may be the livelihood of the chemist and druggist, but I suppose that the whole range of pharmacy and pharmaceutical practice is bounded by its counters is not only a mistaken view, it is also a view damaging to the pharmaceutical body taken as an organisation.

Yours faithfully,
A. J. Jones.

"C. & D." Retail Price-list

We have received many letters referring to the announcement that the *C. & D.* is about to issue a retail price-list. "C. H." (28/11) writes: "A successful list would show the prices so simply that a man who is trying to serve about six customers in a hurry can read them off without any calculation, and the chief points are handiness, some system of marking the different sections, clearness for reference, average profit not less than 33⅓ per cent. (necessitating 50 per cent. on some lines), and consistency in proportion for larger quantities, and, I might add, ability to show to very difficult customers, as I have once or twice settled an awkward person this way."

"H. W." (27/11): "I note with interest your intention to issue a retail price-list, which has been the one thing lacking to make the *C. & D.* complete in every way."

Insurance Dispensing

Sir,—The experiences of a gentleman who has such a wide knowledge of Insurance dispensing as Mr. C. W. Norman Fox must have would be very interesting reading to all panel pharmacists, and, as one who was not able to be present when he gave his address to the Western Pharmacists' Association (*C. & D.*, November 26, p. 69), I should much like to read his remarks in full. One point which would be very instructive would be on what grounds Mr. Fox based his statement that the number of scripts between forty and sixty a day is the most difficult to cope with, and that above or below that amount the work is more remunerative. Presumably, if only twenty or thirty are presented daily it is taken that the pharmacist can manage them with the existing staff, and that if he were to get up to forty or so he might or might not require extra help, whereas if the number went up to a hundred or more it would be necessary to engage more assistance. The problem to be solved is to find the critical number above which the National Health Insurance work will bear its share of overhead charges, pay an extra assistant's wage, and leave a margin for the proprietor as well. Is there such a number or not? I think it is admitted that a pharmacy opened for panel work alone could not be made a paying concern; and in this respect the Government have driven an extremely good bargain, as the whole of the onus of providing accommodation, stock, staff, etc., is thrown on the pharmacist, and he has to take the risk whether he gets ten or a hundred scripts a day, also to provide more or less assistance as required, and, further, at the moment suffers from a falling market, while the Government pays only for goods supplied, and no more. Let us imagine that State dispensing were introduced in such a neighbourhood as Bethnal Green, how many State dispensaries would be required, how many officials and dispensers would be appointed, and how would they cope with the rush hours? Without knowing the figures for that area, I can quite safely assume that it would cost at least twice as much as is disbursed to panel pharmacists at the present time, and, remembering the red tape that most of us have unfortunately become so familiar with in Government departments during recent years, the service would not be half so satisfactory. Bearing in mind this fact, it would not hurt the authorities to be a little more generous in respect to fees. In conclusion, if Mr. Fox would give us a few details as to why he fixes on the number of scripts that are remunerative or otherwise, he would be greatly obliging many pharmacists who like myself had not the pleasure of listening to him in person.

Yours, etc.,
Thirty-five (26/11)

Subscribers' Symposium

For interchange of opinion among "C. & D." readers, and brief notes on business and practical topics, especially new ideas

Laudanum Habit

Dope (24/5), referring to the inquiry in the *C. & D.*, I., 1921, p. 699, states that he has a customer, a boy of twenty, with shrapnel in his lungs, who is addicted to morphine. Inquiries are being made as to whether mental suggestion treatment would benefit the sufferer.

Water Stills

In reply to "J. M." (5/7): Small water-stills are very disappointing as regards their output, and are not to be recommended, unless one has commodious premises where they can be fitted up clear of the shop and dispensing-counter. I use a Brown's automatic fitted with their patent gas-stove, and I find I cannot obtain more than half the yield stated by the makers. I keep my still working for a week at a time, the only attention required being a daily inspection of the feeder and changing the receivers. The cost per gallon in 1920 was 0.75d.; at the present time the cost is 1.15d. per gallon.—*E. H. Stephens*, Sunderland.

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Legal Queries

D. (22/11) has omitted to arrange for the national health and unemployment insurance of an assistant, and has been called upon to pay many months' arrears of contributions. Is the assistant liable to pay his share? [If the assistant refuses to pay his share he cannot be compelled to do so. If contributions are not paid at the proper time the employer forfeits his right to recover the employee's share by deduction from wages.]

G. B. (21/11).—Dangerous Drugs Act.—Hospital Regulation 6 states: "The drugs (stock) shall only be supplied by the dispensary on the written requisition of the sister-in-charge," etc. But in the original Regulations such drugs shall be supplied on the order of an authorised person. Had the modification specified for hospitals not been made, every order for stock in the wards would have had to be signed by the doctor, even after authority for keeping stock was given. The Regulation is only an extension of authority to order by the sister-in-charge to meet the prevailing conditions in many voluntary hospitals, but where the practice is for the doctor to sign these requisitions he should continue to do so under the original Regulations, if so thought fit. The only point to be observed is that it should be the medical officer whose signature is the recognised one for stock, as although there is no regulation governing this, it is incumbent on the pharmacist to exercise his usual care in the distribution of these drugs in institutions.

J. C. D. (23/11).—A contract with the Insurance Committee requires all medicaments to be of the B.P. standard unless otherwise stated. Contracting-out does not absolve a panel chemist from this condition, since the acceptance of the principle of contracting-out implies that medicines should be of the same quality, etc., as for general insurance dispensing. Where mixtures are the stock preparations of any institution, it is expected that they shall be of the standard and quality used in the institution, and where such places are on the Insurance panel the prescriptions are priced on the formulas which are in the posession of the pricing office, but this protection is not applicable to contracting-out. It follows, therefore, that galenicals should be of B.P. standard and quality. Modification of the formulas would be a subversion of the principle of Insurance dispensing and would apply to contracting-out unless otherwise specified. The use of liquid extracts in concentrated mixtures (stock preparations), if they are in common use in the institution, would probably not be objected to, since it would be a case of the general treatment accorded, and such modifications are accepted in many of the Insurance Pharmacopœias.

A. B. (21/11) sends particulars of a case in which a limited company carrying on a manufacturing business, and also running three retail shops, proposes to sell these items separately. D and E are to buy the manufacturing premises and machinery and to have the right to use the old company name. F, G, and H are each to buy one of the retail businesses and to carry them on in their own names. The company is to be wound up and the assets distributed among the shareholders. "A. B." asks whether the new businesses are to be assessed for income-tax on the average profits of the old business, and, if so, which of the new businesses, if not all of them, will be so assessed. [As this is a case of succession to an old business, the purchasers of the manufacturing premises and machinery are liable to be assessed in respect of the average profits of the last three years made by the old company; but they (D and E) can have the assessment adjusted in this way: they can apply to the local surveyor of taxes to (*a*) have the assessment for the current tax year apportioned between themselves and the old company, and (*b*) to have a deduction made from the assessment to cover the portion of the profits of the firm attributable to the three retail shops, on the ground that the severance of these shops from the firm is a specific cause for diminution of the profits.]

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Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

T. B. (22/11).—Pick-me-up.—The following type of pick-me-up draught will meet your requirements:

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Aq. ad	℥ij.

M. pro dose.

Other recipes are to be found in "Pharmaceutical Formulas."

B. P. (15/11).—Roberts' test for sugar in urine.—The following is Roberts' process for estimating sugar in urine as given in Hammarsten's "Physiological Chemistry":

This consists in determining the specific gravity of the urine before and after fermentation. . . . Roberts found that a decrease of 0.001 in the s.g. corresponded to 0.23 per cent. sugar. . . . If the urine, e.g., has a s.g. of 1.030 before fermentation and 1.008 after, then the quantity of sugar contained therein was $22 \times 0.23 = 5.06$ per cent. . . . The specific gravity must be taken at the same temperature before and after the fermentation. The urine must be faintly acid. The activity of the yeast must, when necessary, be controlled by a special test. Place 200 c.c. of the urine in a 400 c.c. flask, add a piece of compressed yeast the size of a pea, and subdivide the yeast through the liquid by shaking; close the flask with a stopper provided with a finely drawn-out glass tube, and allow the test to stand at the temperature of the room or, still better, at 30° to 35° C. After twenty-four hours the fermentation is ordinarily ended, but this must be verified by the bismuth test. After complete fermentation filter through a dry filter, bring the filtrate to the proper temperature, and determine the s.g. If the s.g. be determined with a good pycnometer supplied with a thermometer and an expansion-tube, this method, when the quantity of sugar is not less than 0.4 to 0.5 per cent. gives, according to Worm-Müller, very exact results, but this has been disputed by Budde.

Retrospect of Fifty Years Ago

Reprinted from "The Chemist and Druggist," December 15, 1871

Income-tax in 1871

We fully agree with our correspondent "V." that the income-tax presses with undue severity on the middle classes, and we shall be glad to see any movement emanating from the traders of the country, having for its object the exercise of all constitutional means to influence the Government, so that the incidence of taxation may be more fairly adjusted. It is quite evident that a trader with £200 a year is far more severely punished by the 6d. in the pound than is the case with men with larger incomes, although the proportional burden is exactly the same. And yet a trader with £200 a year is not likely to think himself very badly off if he compares his lot with many around him. But the £5 which he is called upon to pay leaves its scar for many days to come. Naturally the rich man who pays his proportion for thousands needs not to deny himself of the smallest luxury. Why should he who would lose the least by the country's ruin be the heaviest burdened for the supplies? Should there not be a sliding scale whereby the income-tax might be more fairly adjusted? For it is hardly likely that any Ministry will altogether abolish it until the day when swords are beaten into ploughshares and war is learnt no more. It may, perhaps, be hoped that if Mr. Bright should return to Parliament next session—and it is expected that he will—he will take up this subject, and for once act as the champion of the middle classes. But whether he will or not, it is, we hope, certain that there is so much sympathy in Parliament with the small taxpayers that another budget, like that of 1871, will not only cover the Chancellor of the Exchequer with complete disgrace, but will also settle the prospects of a Government which cares so little for its humbler subjects.

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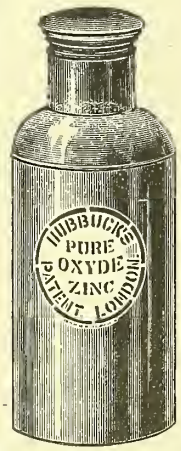

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A combination of real gum and finest liquorice, perfumed with violets

In 6d., 9d., and 2-lb. Tins.

Of all Wholesale Chemists & Druggists.

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Packed in 1-doz. or ½-doz. Show Boxes
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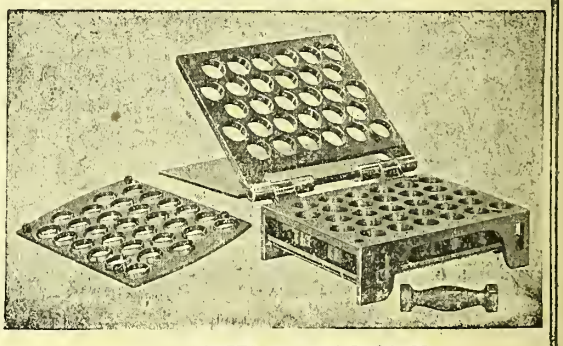

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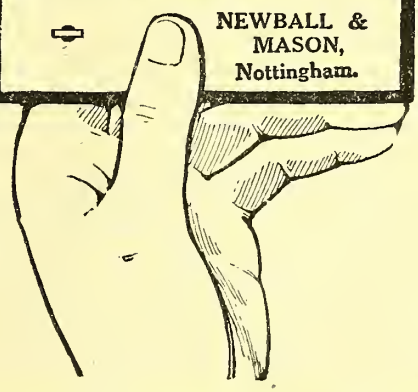

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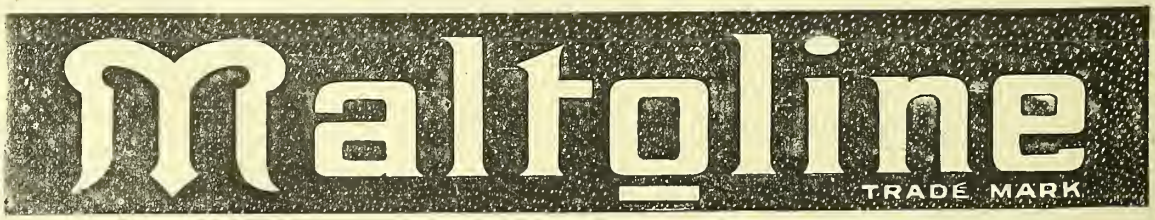

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(33⅓%) WITH HYPOPHOSPHITES.

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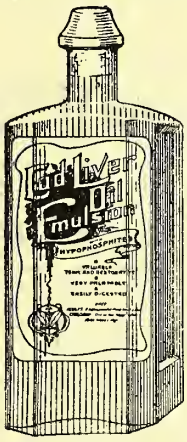

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Special Prices for Quantities on application.

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You agree to display "Vin Sanguis" always.
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BUTTS.	HOGSHEADS.	QR. CASKS.
108 galls.	54 galls.	27 galls.

Grade A. STRENGTH 16·5°–17° Abs. Alc.
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Also in attractive Containers, with client's own name and address.

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Fry's MALTED Cocoa

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FOR ALL AGES AND CONDITIONS OF HEALTH AT FIRM AND PROTECTED PRICES.

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We issue a list of WHOLESALE HOUSES who keep above in stock, if for any reason you have difficulty in obtaining supplies please send postcard direct to us, and a list will be sent to you by return.

NATURAL FOOD COMPANY, Ltd., Cambridge Road, Bethnal Green, LONDON, E.

All advertising matter—Booklets, Window Displays, Showcards, etc., free on application.

N.B.—Our goods are to be sold only at prices stated upon the Price List we issue to the trade and we are pleased to exchange any article which may be out of condition.

VITMAR

The new vitalising food proved to contain the three principal vitamines

YOUR WHOLESALERS CAN SUPPLY YOU

Manufacturers: *Food Specialists,*

CALLARD & CO., 74 Regent St., LONDON, W. 1.

PURE ORANGE WINE
A. MILLAR & CO., LTD., DUBLIN

(VINUM AURANTII B.P.) Prepared in strict accordance with the Formula of the British Pharmacopœia. (Wholesale only.)

Samples from Head Office, Thomas Street, DUBLIN, or London Office, 43 Great Tower Street LONDON, E.C.3.

ORION ★ ★★★ ★ BRAND

SACCHARIN 550 STRENGTH

Acetanilid, Amidopyrin, Aspirin, Caffeine, Citronellol, Coumarin, Heliotropin, Nerolin, Phenacetin, Phenazone, Potass. Permanganate, Salicylate of Sod., Salicylic Acid, Salol, Terpineol, Thymol, Vanillin

Sole Importers:

LINTON, HUBBARD & ANDREW, 72-75 Fenchurch Street, LONDON, E.C. 3.

Telephone: 1892 Avenue. A B C and Lieber's Codes. Cables and Telegrams: "Linteolo London."

Francis F. Fox & Co.: Bristol

LINSEED OIL. TURPENTINE.

FINE OLIVE OILS.

LIQUID PARAFFIN. CASTOR OIL.

CHEMICALS. DRYSALTERY.

PETROLEUM JELLY.

CRUSHED LINSEED.

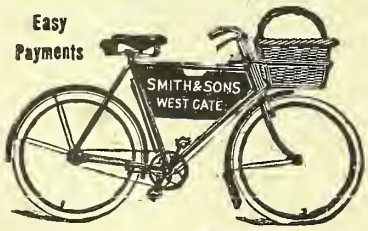
PRICES ON APPLICATION.

TELEGRAMS— "FOX BRISTOL."

TELEPHONE— 19 BRISTOL.

The finest investment you can have, for the advertisement is worth the cost of the bicycle.

Easy Payments



DUNLOP TYRES

TWO STRONG BRAKES

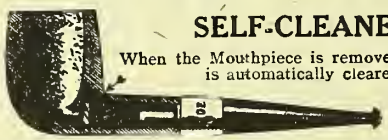
WHEELS 26 × 1¾

WRITE FOR LIST

MOHAWK CYCLE CO., LTD.,
857 ALEXANDRA ROAD, HORNSEY, N.

DOWELL'S PATENT

HEALTH PIPES.



SELF-CLEANER.

When the Mouthpiece is removed all foulness is automatically cleared.

Assorted Shapes and Sizes to sell at 3/6 each.

Send postcard for sample dozen.

HARWOOD BROTHERS

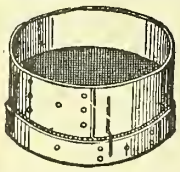
Est. 1898. Manufacturers of Briar Pipes and Smokers' Articles,
8/20 Richmond Street, LIVERPOOL.

Alcohol for Industrial Purposes

Duty-Free Spirit.

The Industrial Spirit Supply Company, Limited.

Agents: HONEYWILL BROS., 79 MARK LANE, LONDON, E.C.3.



For your **Sieves and Wire Gauze** try the actual Makers!

S. RAMSEY & CO.,

198/202 ST. JOHN STREET, E.C. 1.

Telegrams: "Methodical, Smith, London." Telephone: Holborn 6337 (3 lines).

We invite your enquiries for—

OILS

including

MINERAL & LUBRICATING OILS OF ALL KINDS.

CASTOR OIL	ENGLISH & CONTINENTAL.
COTTON OIL	EDIBLE REFINED.
COD LIVER OIL	FINEST NON-FREEZING 1921.
COLZA OIL	GENUINE & BURNING QUALITIES.
LINSEED OIL	BOILED & RAW.
NEATSFOOT OIL	
OLIVE OIL	EDIBLE B.P. & INDUSTRIAL.
SPERM OIL	
WHITE OILS	B.P. & COMMERCIAL QUALITIES.
TURPENTINE	GENUINE AMERICAN & SUBSTITUTES.
ROSIN	ALL GRADES, FRENCH & AMERICAN.
PETROLEUM JELLY	WHITE, YELLOW & RED.

JAMES ARNOTT & SONS, LTD.,

Head Office: 47 PILGRIM STREET, NEWCASTLE-ON-TYNE.

Langley-Smith & Co.

Castor Oils, *Medicinal, Lubricating.*

Colza Oils, *Best Pure, Prepared.*

Linseed Oils,

Best Raw, Double Boiled. Refined,

PURE TURPENTINE

Turpentines,

Best Pure Spirits.

Substitutes,

Best Grades.

Samples and Prices on Application.

14-20 St. Mary Axe London, E.C. 3.

Telegrams—"Tallowdom London." Tel. No.—Avenue 3820.

FREDK. FINK & CO.,
10 & 11 MINCING LANE, LONDON, E.C. 3.
SPECIALITIES.—Gums Arabic and Tragacanth as imported or finely powdered.

PRECIPITATED CHALK
Lightest and Whitest, also Purest Dense
Aug. Levermore & Co., Ltd. 8-10 Gt. St. Helens, LONDON, E.C. 3.
Telegrams: "Levermore London." Telephone: Central 4613.

The Evan-Williams
Always in Great Demand.
Price List on Application.
The Evan-Williams Co., Ltd., 18, Ogle Street, W.1.
ORIGINAL HENNA SHAMPOO.

SHADEINE
FOR COLOURING GREY HAIR
This popular article is largely advertised and stocked by all Wholesale Houses. Trial Size 8d., per post 11d. 1/4 size, per post 1/8; 2/6 size, per post 2/11; 3/9 size, per post 4/6; 8d. size, 6/- doz.; 1/4 size 12/- doz.; 2/6 size 24 doz.; 3/9 size, 36/- doz
THE SHADEINE CO., 58 WESTBOURNE GROVE, LONDON, W.

CRÈME CHÂTEAU
A Toilet Cream manufactured by
Babette, Ltd. 28 EAGLE STREET, LONDON, W.C. 1.
TERMS ON APPLICATION.

A BRIGHT XMAS WINDOW FOR 7/6

For this sum we will send you a parcel of "Xmas Present" Window Tickets sufficient with which to decorate any good-sized window and just give it that "Spirit of Christmas" touch, and secure for you a big share of the Xmas Trade.
DUDLEY & CO. HOLLOWAY RD. LONDON, N.

DON'T BUY RUBBER GOODS
before sending for catalogue of the famous ELARCO series from—
THE LONDON RUBBER CO.
183 Aldersgate Street, London, E.C. 1.

For GUARANTEED
ATOMIZERS and SPRAYS
THE DEVILBISS CO., LIMITED
WEST DRAYTON, MIDDLESEX.

Pyrogallic Acid Gallic Acid
Manufactured by J. L. ROSE
At ABBEY ROAD, BARKING, LONDON, E.
Wholesale and Export Only.

Hyposulphite of Soda.
Finest Pea Crystals. 1 cwt. Kegs, 29/- per cwt., f.o.r. Huddersfield. Cash with order.
SAMPLE GLADLY.
KEMCO Ltd., 36 Trinity St., HUDDERSFIELD.

Viuda de Jose Solernou
Diputacion 174, Barcelona, Spain.
Agency & Representative House. Established in 1875.
Member of the British Chamber of Commerce at Barcelona.
AGENCIES WANTED FOR GOOD-CLASS CHEMICAL AND PHARMACEUTICAL SPECIALITIES.

CACHETS "FINOT"
(White or Coloured).
With inscriptions in any desired tint; also Plain or Embossed.
"A distinction all their own."—*C. & D.*
"Perfection of Cachets."—*Lancet.*
These Cachets are especially adapted for Headache, Neuralgia and other powders.
COOPER, SON & CO., Ltd., 80 Gloucester Road, SOUTH KENSINGTON.
In 17 Sizes to fit the various types of Cachet Machines.

ALL CHEMISTS SHOULD STOCK **ABDINE**
THE GOLD MEDAL FRUIT DRINK.
Quick Seller. Big Profits. Over 40 years' Reputation.
"Abdine" is the most popular Health Drink, superior to all Mineral Waters. The Original and only genuine Fruit Drink.
Reduced Price List can be had on application.
DUNCAN McGLASHAN, LTD., ABDINE WORKS, WESTFIELD ROAD, EDINBURGH

Use CORRY'S Original
TOBACCO LICE POWDER
The First and Original Brand introduced in 1866. Beware of Imitations.
for Cattle, Poultry and all Animals. No risks from Chill as by Washing.
Sold by all Chemists, 1/9 and 3/-
FOOT ROT OINTMENT, a speciality: ½ lb. size 1/6 Write for List.
CORRY & CO., LTD., Shad Thames, London, S.E. 1.

BLACK AND WHITE BRAND.
A Speciality of
TUCKMAR'S World-Renowned **RAZORS.**
Obtainable only from—
WM. LUND & SON, 7 WHITTINGTON AVENUE, E.C.3.
JAMES FARQUHARSON & SONS, 59-64 HOUNDSDITCH, E.1.
HENRY HOBSON & SONS, 67 HOUNDSDITCH, E.1.
J. KENNEDY, 4 ST. JOHN'S ST., BROUGHTON, MANCHESTER.
Or from the Sole Agent, ADOLPHE SEGALLA, 12 Alexander St., Bayswater, W.2

CACHETS
Chemists who pride themselves on the elegant way they put out their pharmaceuticals in Cachet form should write for samples, price, and full particulars to—
THOS. CHRISTY & CO.,
4/12 Old Swan Lane, E.C 4.
Our Speciality for many years. No finer quality obtainable anywhere. Write to-day.

LIQUID PARAFFIN B.P. 1914

EXCLUSIVELY REFINED FROM

RUSSIAN CRUDES.

ALL GRAVITIES. HIGHEST VISCOSITIES.

"JASMINE BRAND" **ADEPS LANÆ B.P.** Superfine Anhydr. and Hydrous.

LANOLINE.

"JASMINE BRAND" **PETROLEUM JELLIES B.P.**

White and Yellow Tasteless and Odourless.
Natural Filtered and Opaque.

"JASMINE BRAND" **WHITE OILS** Chem. Pure, Water White, Tasteless, Odourless.

FOR MANUFACTURING PURPOSES.

All Our Products are Guaranteed of Finest Qualities and Our Prices are Competitive.

THE PURE RUSSIAN LIQUID PARAFFIN CO., LIMITED.

3 ST. HELEN'S PLACE, LONDON, E.C.3.

Actual Refiners and Manufacturers at their Works near London.

TOMPKINS' CORNER

HOT WATER Bottles and Covers.

Best British Make.

WRITE NOW—A postcard will bring you **FULL** and **REDUCED** Prices for coming season. **THE HOUSE** for all kinds of **SURGICAL RUBBER GOODS** for over 44 years.

JAMES TOMPKINS, LTD.

The Rubber House, 386 City Road, LONDON, E.C. 1

Estab. **1877. ALL-BRITISH FIRM.** Phone: City 7640.

CURASOL SULPHUR SOCKS

Fixed Selling Price, 4d. per pair.
Cost, 2/8 per dozen.
Six dozen lots, 30/8 per gross.

Distributing Agents:

England and Wales—

Sangers, 42a Hampstead Rd., London, N.W. 1.

Scot'and—

Munro, M'Laren & Sutherland,
17 Cadogan Street, Glasgow.

For Sample Pair (state size) send Postcard to—

The Curasol Sock Co.

19/20 Garlick Hill - - LONDON, E.C. 4.

STOCK LABEL CATALOGUE.

YOUR COPY AWAITS YOUR APPLICATION

JAMES TOWNSEND & SONS, EXETER.

LONDON OFFICE—
54, FARRINGDON STREET, E.C. 4.

PAIN JUST THERE

can be instantly relieved and permanently corrected by the use of Dr. Scholl's Anterior Metatarsal Arch Supports, which are specially constructed to relieve and correct ailments at the ball of the foot.

Retail Price 12/6 per pair.

Dr Scholl's Foot Comfort Service for Men and Women — DEVICES FOR ALL FOOT AILMENTS

Write to-day for Illustrated Catalogue.

THE SCHOLL MFG. CO., LTD,
1-4 GILTSPUR STREET, E.C. 1.

is being widely advertised in all the leading newspapers and periodicals. Are you in a position to handle the increased demand created by this National Advertising Campaign?

ESTABLISHED 1839

CHEMISTS' OVERALLS

From GARDINER & CO.

We supply protective overalls in any colour or style required. They are made by experienced hands for all branches of the Chemical trade.

KHAKI DRILL ...	10/6	15/6	17/6
WHITE DRILL ...	12/6		
BLACK DRILL ...	17/6		
HOLLAND DRILL...	17/6		

Sizes 34, 36, 38, 40, 42 and 44 inches over waistcoat.
SPECIAL QUOTATIONS FOR QUANTITIES.

GARDINER & CO. (THE SCOTCH HOUSE) LTD.

1 Commercial Road, E. 1.

Teleg.: "Durastue, Phone London" Phone: Av. 6650 (4 lines).

The "MARYLEBONE"

STERILIZED

ACCOUCHEMENT OUTFITS.

These Outfits contain sufficient dressings, etc., for the accouchement.

THE "MARYLEBONE" OUTFITS are always "GOOD STOCK" as the contents cannot deteriorate or become soiled, and sterility is maintained.

Retail Prices:

No. 1 Outfit	No. 2 Outfit
31/6	**63/-**

Trade Terms and descriptive literature on application.

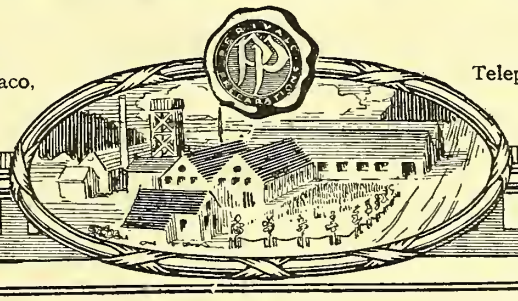
IT WILL PAY the Pharmacist to hold stocks of these outfits. A large demand is being created by means of an intensive Press campaign.

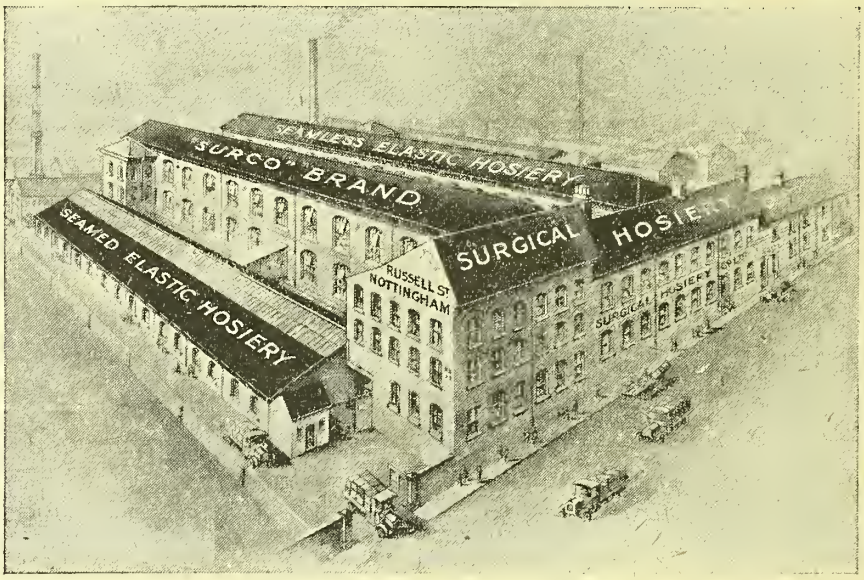
JOHN BELL & CROYDEN, Ltd.

50 Wigmore Street, LONDON, W. 1.

Telegrams: "Croybelaco, Wesdo, London."

Telephone: Mayfair 5015 (4 lines.)



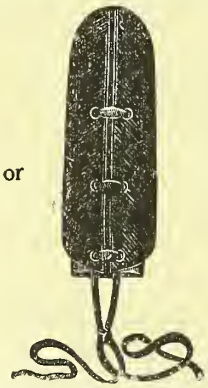


Increase your business.—Window Show Leg and Stocking, **14/6**, post free.
Or with Knee Legging, **18/6**.

Measurement Forms, Instructions and Catalogue Free.

SURGICAL HOSIERY Co., Ltd. Dept. A, RUSSELL STREET, **NOTTINGHAM**

THE ORIGINAL



BLACK or BROWN

PAROUBEK'S "FOLDO"
LACING
FINGER STALLS
SELF-ADJUSTING TO COVER BANDAGE.

AVOID IMITATIONS.
See the word PAROUBEK on every card.

From all Wholesalers or direct from Sole Agents—

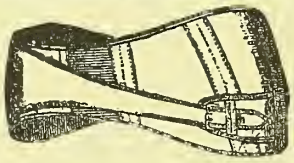
SOLPORT BROTHERS, Ltd.
184-190 Goswell Road - LONDON, E.C. 1.

The RICE PATENT ADJUSTABLE ELASTIC
TRUSSES

PADS—Various Shapes and Sizes, Hard or Soft.
ABDOMINAL SUPPORTS,
and SUPPORTS for use following Operations.
ALTERATIONS FREE IF NOT SATISFACTORY.
Illustrated Catalogue Free.

MANUFACTURED ONLY BY
Wm. S. RICE, Ltd., 8/9 Stonecutter St., E.C. 4
Telephone: Holborn 466.
Telegrams: "Ricevendo, Fleet, London."

WE GUARANTEE EVERYTHING WE SELL



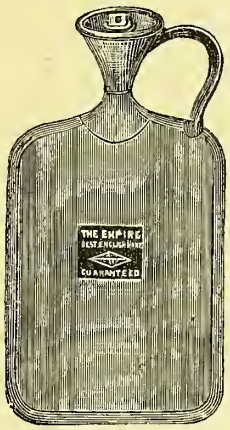
Send your inquiries for Chest Protectors, Abdominal Belts, Suspensory Bandages, Finger Stalls, Maternity Corsets, Magnetic Belts, Wrist Straps, Surgical Hosiery, etc., to the Actual Makers—

A. B. FROST & CO. Surgical Hosiery Works, BEESTON, Notts. (2)
ESTABLISHED 35 YEARS.

Druggists' Sundries

HOT WATER BOTTLES.

THE "EMPIRE" BRAND



CHEMISTS who have built up a reputation for reliable Hot Water Bottles continue to order our well known "**EMPIRE**" brand of these goods. Do not risk trying an unknown make.

One quality only—the Best. Guaranteed for two years.

Prices as follows:

Sizes: inches	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	**3/9**	**4/2**	**4/6**	**4/9**	**5/3**	**5/9**	**6/-**	**6/6**

Each Bottle in a strong paper bag with directions for use.

HOT WATER BOTTLE COVERS. Scarlet or Grey Plush.

Sizes: inches	6×8	6×10	6×12	8×10	8×12	8×14	10×12	10×14
Each	**1/5**	**1/8**	**1/10**	**2/-**	**2/2**	**2/8**	**2/10**	**3/3**

MUFF WARMER. Red Rubber, oval shape, 3¼×7" **each 2/6**

SEAMLESS ENEMAS

		Per doz. s.	d.
Fig. 987.	The "**B.E.M.**" (best English make) with bone rectal pipe, etc., complete		
,,	in card box	26	0
,,	in superior card box	28	0
,,	in leatherette case	30	0
,,	extra large and stout, the finest article made	34	0
	Special Line, red unpolished, stout, in card box	30	0
,,	in leatherette case	34	0
,, 988.	The "**Empire,**" black polished, in card box	27	0
,,	in leatherette case	30	0
,, 275.	Warne's patent pulse valve enema, arabesque rubber, in leatherette case	54	0

AIR CUSHIONS

Fig. 1194. The "**Empire**" red india rubber Air Cushion—

Diameter	14 in.	15 in.	16 in.	17 in.	18 in.	19 in.	20 in.
Each	6/6	7/-	7/6	8/6	9/6	10/6	12/-
Square shape, ,,	10/-	11/-	12/-	13/-	14/6	16/-	18/-

A discount of 5% for prompt cash is allowed on all amounts of 10/- and upwards. Money returned if goods are not satisfactory. Write for illustrated price list post free for the asking.

BURGE, WARREN & RIDGLEY, LTD.

91 & 92 GREAT SAFFRON HILL, LONDON, E.C.1.

A GRANULATING MACHINE

Patent applied for.

DURING the slack time we have been concentrating our efforts and experience on the invention of a new labour-saving machine, which has been badly needed for a long time—a power machine for granulating powder in its preparation for compression into tablets.

We have been very successful, and have produced a most excellent machine for the purpose; output large, sieves easily changed, interior parts porcelain-enamelled, and no complicated devices to get out of order.

Lists are not yet ready, but we shall be pleased to receive enquiries, and shall also be pleased for customers to bring a few pounds of powder and test the machine here. Several of our customers have done so, and have placed orders.

S. W. WILKINSON & CO.

Pharmaceutical and Chemical Engineers,

WESTERN ROAD, LEICESTER.

A

PHILIP JOSEPHS & SONS LTD.

SHOWCASE QUICKLY EARNS ITS COST.

Try One!

93 OLD ST., LONDON, E.C. 1.

Phone—2191 Clerkenwell. Wires—"Josiphiah London."

SHOWCASES

UPRIGHT CENTRE CASES, WALL CASES,

GLASS COUNTERS, MIRRORS,

WINDOW FITTINGS, GLASS SHELVES,

SHOW STANDS, DRAWERS, DESKS,

CHECK TILLS, &c. **Immense Stock.**

NEW and SECOND-HAND.

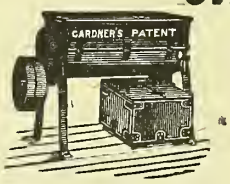
Ready for Immediate Delivery.

FREDERICK MAUND,

169 Old St., LONDON, E.C. 1.

GARDNER'S PATENT

"RAPID" SIFTERS & MIXERS

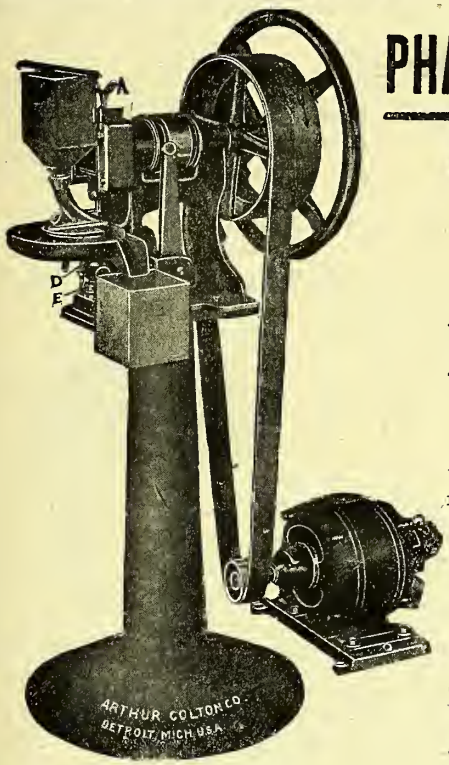


OVER 6,000 working in almost every Trade where POWDERS are Sifted and Mixed and Lumps Reduced, all being done at one operation and without loss by dust.

FOR HAND OR POWER.

CATALOGUES FREE.

WM. GARDNER & SONS, Engineers, GLOUCESTER



No. 2B TABLET MACHINE.

PHARMACEUTICAL MACHINERY.

EFFICIENCY
RELIABILITY
LABOUR SAVING

ARE THE THREE OUTSTANDING FEATURES OF THE

ARTHUR COLTON CO.'s MACHINES

Built on up-to-date principles they embody simplicity of design with strength well known to the many large users in this country.

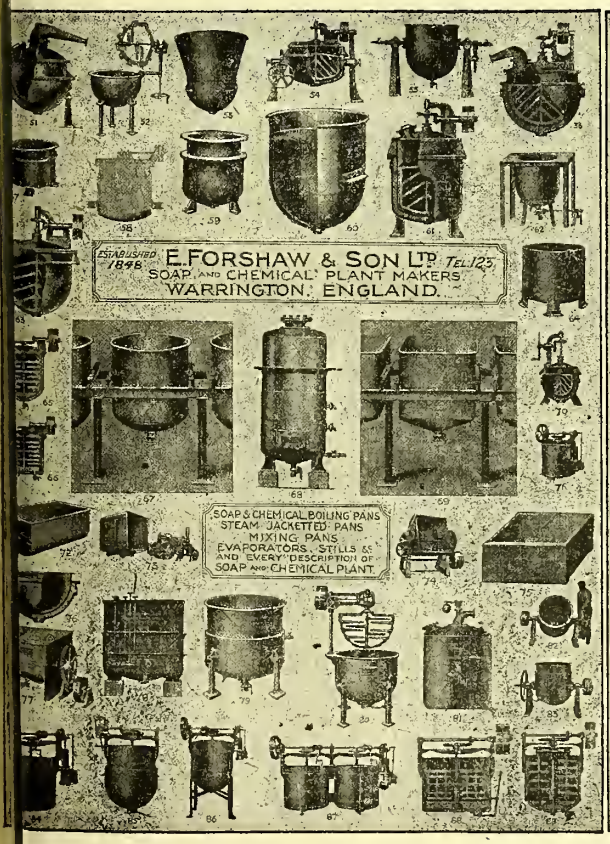
We should be glad to have the opportunity of demonstrating the many advantages gained by equipping your factory with any of the undermentioned Machines :—

PILL MACHINES	TUBE FILLERS
TABLET Do.	TUBE CLOSERS
GELATINE COATERS	CLIP FASTENERS AND CLIPS
POLISHING PANS	PASTE MIXERS
TRITURATE MACHINES	SUPPOSITORY MACHINES, Etc.

Catalogue and Price List on application to

JOHN J. GRIFFIN & SONS, Ltd.

KEMBLE STREET, KINGSWAY, LONDON, W.C. 2.



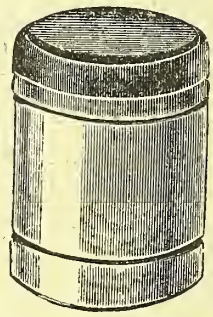
WHITE CHINA

POMADE POTS

WITH COLOURED CELLULOID CAPS.

The Brightest and Cheapest on the Market. Well and cleanly made.

They sell the goods they contain.



Made in TALL and SQUAT shape.
ALL SIZES.

Also POTS WITH ALUMINIUM COVER.
" " SCREW CHINA CAPS.
BUTTER POTS, LIPSALVE BOXES, etc.

HENRY W. BUSH & CO., LTD.
REMBRANDT WORKS, COMMERCIAL STREET, LONDON, E. 1.

I'm done with no-name Corks!

WHEN you are tired of Corks that snap like carrots—ill-shaped, badly fitting, spongy looking Corks—make a solemn vow: Say, "I'm done with no-name Corks."

When you buy

PYRAMID CORKS

You get what you pay for, and you *know* what you get—Corks with a guarantee. Unless they are Pyramid Corks, they're not guaranteed by Mitchell's. And sorrow follows the substitute!

Write to-day to—

N. W. Mitchell & Sons, Ltd.
"The Cork Firm."
Limehouse, London, E. 14

PYRAMID

YOU MUST KNOW

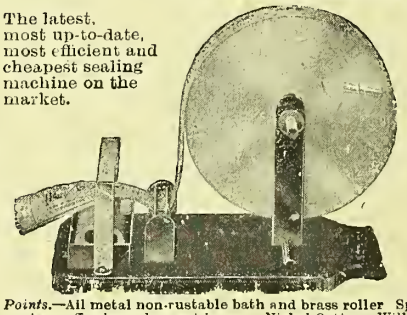
if you are using String, Twine, or Wax for packing, how slow, expensive and clumsy any of these methods are.

GUMMED TAPE is being used by most of the large and up-to-date Firms. But to make sure of Efficiency in your Packing Department use the best Moistener on the Market—KING'S "AWLMETAL."

As the name denotes, this Moistener is made completely of Metal. Do not waste time and Money in buying Wooden Machines which will cost you more and will soak up the moisture into the wood and quickly become unusable.

The "AWLMETAL" Moistener will last a lifetime.

The latest, most up-to-date, most efficient and cheapest sealing machine on the market.



PRICE **12/6** EACH
Gummed Tape Extra.

Points.—All metal non-rustable bath and brass roller. Special device to keep tape off roller when not in use. Nickel Cutter. Will take one roll up to 3 in. width or two 1 in. rolls. Takes up small space—viz. 11 x 5½ in. The whole machine takes to pieces for cleaning purposes.

Send a Postcard for a Machine on approval at once.

GUMMED TAPE for use with King's "AWLMETAL" Moistener. No. 684 Brown Tape Kraft, width 1 in., length 800 ft., at 2/1 per roll, 24/- per doz.

Gummed Tape can be had in all sizes, qualities, and colours. If required specially printed, send us particulars; we will quote Special Prices by return.

Sold by **J. C. KING, LTD.**
Specialists in all kinds of Stationery and Time-Saving Appliances.
42-60 Goswell Road, London, E.C.1.

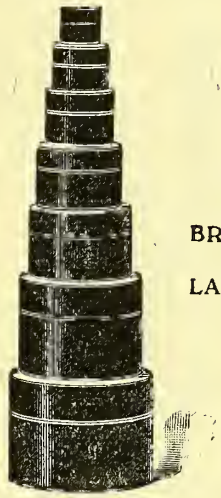
Collapsible Tubes

You can be sure of getting

The Best Service and Delivery,
The Highest Quality & Finish
The Lowest Current Prices

FROM

Betts & Co. Ld.
1, Wharf Rd., City Rd.
London, N.1.
Established 1857.



ALL BRITISH MADE

BY BRITISH LABOUR

MENTION

ROBINSONS' MAKE

WHEN ORDERING FROM YOUR WHOLESALE HOUSE YOUR NEXT SUPPLY OF

PILL BOXES

SUPPORT HOME INDUSTRIES.

ROBINSON & SONS, LTD.

BOXMAKERS TO THE CHEMIST TRADE

CHESTERFIELD.

60

The **W** *Brand of Hand-Moulded*

BOTTLES

AND

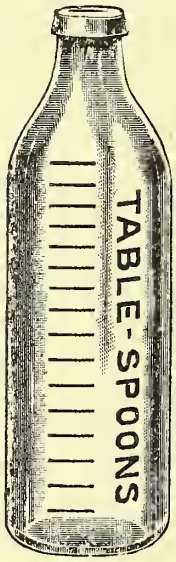
MEDICAL GLASSWARE

Free from dangerous "frosted glass."

.....

Finest Quality Dispensing Bottles, Poisons, Cheltenhams, Chest Squares, Shop Rounds, and Bottles for Proprietary articles, in various colours. Feeding Bottles and Sterilizing Milk Bottles in Heat - Resistant Glass.

.....



STERILIZING MILK BOTTLE.

DISPENSING BOTTLE.

Wholesale only—

WOOD BROS. GLASS CO. LIMITED,

(Established 1828) BARNSLEY, ENGLAND.

BEATSON'S BOTTLES

Beatson's Bottles were first made in *1751*

GLASSWARE FOR CHEMISTS.

BEATSON, CLARK & CO., Ltd.
GLASSWORKS,
ROTHERHAM.

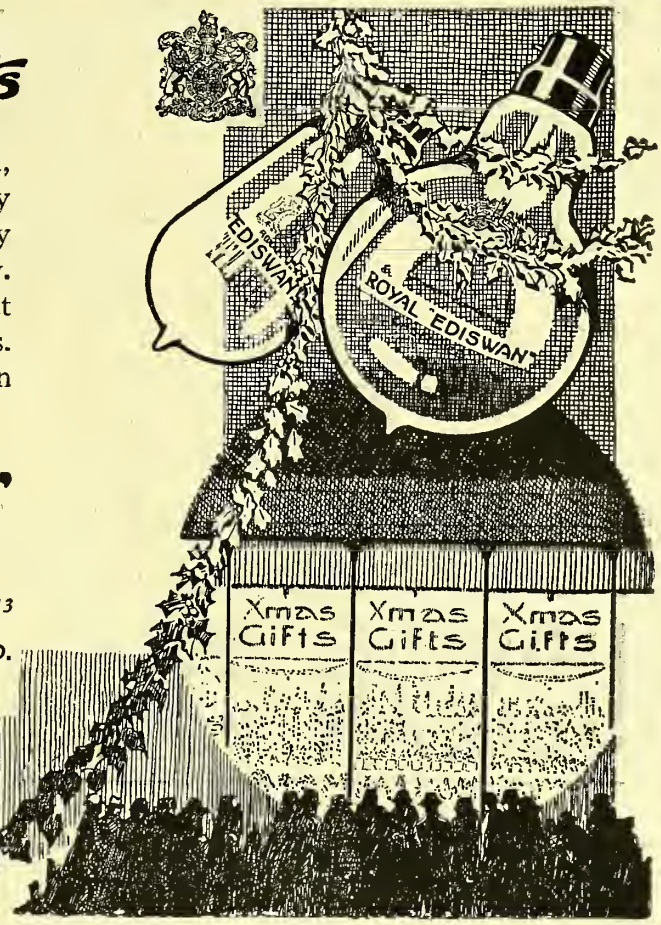
Christmas Presents

IF your windows are well lighted, all the thousands of passers-by will be attracted to them. They are looking for presents to buy. If you have presents to sell, see that they do not pass your windows. There is no greater attraction than windows well lighted.

ROYAL
"EDISWAN"
ELECTRIC LAMPS
for every purpose

Fully Licensed under Patent Nos. 23499/09. 10918/13 and others.

THE EDISON SWAN ELECTRIC CO., LTD.
PONDERS END, MIDDLESEX.



The LICENSES and GENERAL INSURANCE COMPANY LIMITED
TEMPORARY ADDRESS WHILST REBUILDING — TEMPLE STATION.
VICTORIA EMBANKMENT, LONDON, W.C.2.

Postcard Enlargements

from Small Negatives. · Highest Quality · Prompt Return.

THE EXPRESS DEVELOPING CO.
23 OSBORN ST., E. 1.

SPECIALITY:
Exquisite Miniatures in Water Colours, Sepia, etc.
Write for Price List, Free.

RUSSIAN LIQUID PARAFFIN B.P

THE GENUINE RUSSIAN OIL
"Liquipar" Brand.
S.G. 860/70 870/80 880/90
In 40-gallon Steel Containers, 10 and 5-gallon drums, and in Bottles.
HERTZ & CO., 9 Mincing Lane, E.C.3
Established 1878.
Phone: 10607 Central. Telegrams: "Freshness London." [6]

ENLARGING FOR THE TRADE.

We specialise in Dainty Enlargements; the class that satisfy customers and build bu in ss.
Write for Trade List (D.) to-day.
PROMPT DELIVERIES. AMPLE PROFIT.

Wallace Heaton Ltd
INCORPORATING WATSONS CAMERA HOUSE
CHANGE ALLEY, SHEFFIELD.

POSTCARD ENLARGEMENTS

1 dozen from the same negative
B. & W. per dozen 2/- Sepia per dozen 3/-
LET US DO YOUR
DEVELOPING & PRINTING
BEST WORK & QUICK SERVICE.
SHAWYER, SWINDON, WILTS.

WESTMINSTER
College of Pharmacy.
G. S. V. Wills, Ph.C., and P. H. Woodnoth, Ph.C.
(Principals).
QUALIFYING EXAMINATION.
PART-TIME CLASSES FOR PART I.
Benches now being booked for Courses commencing APRIL and OCTOBER, 1922.
For Details of Arrangements, apply to the Principals,
190 CLAPHAM ROAD, S.W.9.

BOOKS FOR PHARMACISTS

Send us a postal card and we will send you a 32-page catalogue of professional and business books for pharmacists, and a copy of
"THE SPATULA"
an illustrated monthly magazine for druggists, full of American snap and enterprise.
THE SPATULA PUBLISHING CO.
BOSTON 14, MASS., U.S.A.

Think of the possibilities which Autumn evenings afford for hours of leisure in which to take prints from films and plates exposed during the holidays.

Are you resolutely reaching out for ***your share*** of the trade in

RAJAR
Gaslight Papers

which is a large and steadily increasing item in the returns of hundreds of Photographic Dealers.

Remember also that for your own use in printing from amateurs' negatives you cannot do better than adhere rigidly to RAJAR BROMIDE or GASLIGHT PAPERS and CARDS. They afford greatest ease in handling and yield best results.

Lists of all A.P.M. Supplies and fullest information free from Sales Manager on request.

AMALGAMATED PHOTOGRAPHIC MANUFACTURERS, LIMITED,

Head Offices ... ... 3 SOHO SQUARE, LONDON, W.C.1.

Telephone: Regent 1230 (3 lines). Telegrams: "Noiram, Ox, London."

INCORPORATING

MARION & CO., Photographic Plates and General Supplies.
RAJAR CO., Gaslight and Bromide Papers, Films and Plates.
KERSHAW OPTICAL CO., Lenses and Binoculars.
PAGET PRIZE PLATE CO., Self-Toning Papers and Plates.
A. KERSHAW & SON, Cameras and Scientific Instruments.
MARION & FOULGER, Photo Mounts and Frames.

FACTS ARE STUBBORN THINGS

A Sanitary Inspector in Glamorganshire writes :—'I can testify to the reliability of "Rodine" also, here in my Report, with a fact, and, as you know, facts are stubborn things.'

Extracts from Report dated October 12, 1921 :—"RAT INVASION OF SHOPS & DWELLINGS, ETC. At one house where the basement floors and drains are defective, the vermin almost took possession of the dwelling, and even ran over the occupants whilst in bed. The occupier called my attention to the matter, and I at once supplied 'Rodine' and gave instructions, with the result that the dwelling was cleared, not a single rat appearing."'

THE PIPER O' PERTH
KILLS RATS AND MICE

A "WORTH WHILE" LINE

Mr. N. ARMITAGE, Chemist, Hipperholme, writes :—'November 22, 1921. You may depend upon me to push "Rodine" whenever an opportunity presents itself, as I believe it to be a good article, and the profit shown makes it a "worth while" line.'

"Rodine" yields nearly 100% protected profit. Join the great offensive against the offensive rat. It pays to pu h "Rodine." Get the "Piper o' Perth" in the window—it is a great draw. Send your order direct to the Maker—

HARLEY, Manufacturing Chemist, PERTH, Scotland.

SEALS

A Dennison Seal is always Distinctive

A seal—artistically conceived and effectively produced in a selected colour or colour combination, is a potent influence on the sales of your merchandise. Dennison's Embossed Seals are the outcome of many years' experience. The fine quality of the paper, the strong gumming, the perfect register, the heavy embossing, and the artistic designing, combine to render you the most distinctive and effective seal service. Our Art Department will gladly send you sketches to meet your particular requirements, on request.

Write for Samples of Dennison's Seals & Labels

Dennison Manufacturing Co., Ltd.
THE TAG MAKERS
52 Kingsway, LONDON, W.C.2.

BATTLE'S VERMIN KILLER

It will pay you to sell

Battle's Vermin Killer

because—the small attention required by taking your customer's signature offers them a personal service which they will appreciate—and incidentally yield a good profit.

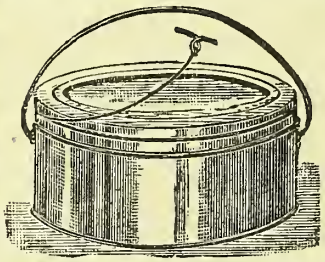
In packets @ 5d., 9d., & 1/3 each (P.A.T.A.)

Of all Patent Medicine Houses @ 3/-, 5/-, & 9/- dozen

BATTLE, SON & MALTBY, LINCOLN.
T.A.: "BATTLES, LINCOLN." T.N.: LINCOLN 36.

The Northern Tin Canister Works,

6 Horsey Street,
LIVERPOOL.



Manufacturers for the Chemical Trade.

TIGHT SEAMING & VARNISH BOTTLES A SPECIALITY.

Patent Air Tight Slip-lid Tin for Export.

Prompt Deliveries Assured.

PHOSFERINE

New Window Display Conditions.

Monthly Account. ***Carriage Paid.***

For a small Central Window Display of not less than 14 days and an order for £5 worth of Phosferine we allow a bonus of 10/6; on a £2 10 0 order 5/3.

This shows a net profit on the transaction to the Chemist of 35%, besides attracting the passer-by to the window and considerably augmenting sales generally.

Should a £5 or £2 10 0 parcel not be required, any smaller quantity will be forwarded carriage paid, and can, if desired, be regarded as part of the £5 or £2 10 0 order. On completion of the order and a notification that the display is in progress the bonus will be allowed.

EXAMPLE.

		COST	SELLS FOR
3½ dozen 1/3 size at 12/- net	...	£2 2 0	£2 12 6
2 „ 3/- „ at 30/- „	...	3 0 0	3 12 0
		5 2 0	
Less 10/6 for Window Show	...	10 6	
		£4 11 6	£6 4 6

Showing a Net Profit of £1 13 0 on an outlay of £4 11 6.

Window Display Material Free and Carriage Paid.

WHOLESALE PRICES OF PHOSFERINE.

Carriage Paid.		*Monthly Account.*
1/3 size	...	12/- per doz. net.
3/- „	...	30/- „ „
5/- „	...	48/6 „ „
12/- „	...	114/- „ „

PROTECTED PRICES.

Phosferine, and all of our Proprietary Medicines are supplied on the condition that they are not retailed in the United Kingdom under the following prices—viz., 1/3, 3/-, 5/-, and 12/-

ASHTON & PARSONS, Ltd., Ludgate Hill, LONDON, E.C.4.

Telephone No.: CITY 8733. Telegraphic Address: "PHOSFERINE, CENT, LONDON."

IMPORTANT.—Every care is used in corking and packing Phosferine, but occasionally a leaky bottle will pass undetected. Any leaky or faulty bottle should be returned to Ashton & Parsons, Ltd., Ludgate Hill, London, E.C.4, when a fresh supply will be sent and postage refunded.

MAY WE SUGGEST?

BEEF & MALT WINE with QUININE

as a Cold and Influenza Cure.

Can be sold by Chemists without a Wine Licence.

PINTS (12 to 1 gallon) **28/-** dozen
QUARTS (6 to 1 gallon) **42/-** dozen

WE WOULD BE PLEASED TO SEND YOU A SAMPLE, TOGETHER WITH SPECIMEN LABELS.

USED FIRST *Peldo* (patent applied for) *Skin Cream* **DEFIES DIRT**

We are just launching a big advertising scheme in the "Daily Mail" which will undoubtedly increase the demand, and we would be pleased to receive your enquiries, in order that prospective customers will not be disappointed and you also to receive your share of the profit. Bear in mind it will be new business, as this is the only preparation of its kind on the market.

Retail Price **1/6** each net (P.A.T.A.)
Wholesale Price **13/6** per dozen

In order to introduce "PELDO" we are offering a special bonus for a guaranteed window display of not less than 14 days as follows:

On Orders of 1 gross a bonus of 18 full-size Tubes.
" " " 6 dozen " " 8 " "
" " " 3 dozen " " 3 " "

Attractive Window Display material and Showcards supplied. Sample Tubes supplied gratis in proportion to quantity ordered. ***Further particulars on application to***

C. R. HARKER, STAGG & MORGAN, LTD.

Devon Wharf and Bell Wharf, EMMOTT ST., MILE END, E.1.

THE CHEMIST AND DRUGGIST SUPPLEMENT

42 CANNON ST.
LONDON E.C.4

DECEMBER 3, 1921

This Supplement is inserted in every copy of The Chemist & Druggist.

TO COMMERCIAL TRAVELLERS AND OTHERS.

A FORM of advertising which was instituted by THE CHEMIST AND DRUGGIST many years ago has become increasingly popular among all trades. This is the "GOODWILL GREETING" used by our advertisers in the last two issues of the year. We now propose to reserve some space in THE CHEMIST AND DRUGGIST SUPPLEMENTS of December 24 and December 31, in order that Commercial Travellers and others who desire it may send Christmas and New Year Greetings to their clients.

Our method has the advantage that the announcements go direct to all the principal places of business connected with the trade at Home and Abroad. It likewise obviates the outlay involved in addressing "Greetings" direct to clients, in view of the present high postal rates.

We have in mind a series of one-inch and two-inch single-column spaces, and charges for these will be obtained by prompt communication with The Publisher, 42 Cannon Street, E.C. 4.

ARLIER CLOSING FOR PRESS. **Will advertisers please note that until further notice it will be necessary that Advertisements nded for the Supplement must ch us not later than the FIRST POST THURSDAY MORNING.**

CHEMISTS' TRANSFERS.

essrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

Telephone No.: City 2283.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

LONDON, S.W. (husy main thoroughfare).—Modern Phar- chiefly ready money; returns about £3,500, with scope ncrease under energetio management; attractive, well-fitted stock good and well selected; further details on application.

SOUTH LONDON (husy shopping thoroughfare).—Ready- Business; returns, under management, upwards of £40 y; scope for douhling the returns under energetio super- ; rent £60; held on lease; prompt sale desired.

LONDON, S.E.—Cash Retail Business, situate in husy main ighfare; returns £1,700, at good prices; excellent opening tension under qualified management; lock-up shop; held on ease; further particulars on application.

SHEPHERD'S BUSH (near).—Ready-money Business, , Dispensing and Photographio; returns, under manage- ahout £35 weekly, with scope for increase; *net profit, ex- g Managers' salary,* £500; inclusive rent £35; lock-up price £1,000.

CITY PHARMACY.—Expiration of Lease.—For disposal, the es and fittings, together with the stock-in-trade, the whole removed hy the 24th Decemher next; this is a good unity for a Chemist contemplating opening a Pharmacy uire the whole at a reasonable price.

LINCOLNSHIRE (market town).—General Retail, Prescrib- nd Agricultural Business; estahlished many years; returns scope for considerable increase; single-fronted shop; r details on application.

LANCS.—Ready-money Business, well situated in husy shop- thoroughfare; gross receipts £2,000; *net profit* £400; opening for qualified man; price £850; the premises may hased if desired.

8.—EASTERN COUNTY (large market town).—Very old-estah- lshed Retail and Dispensing; gross receipts upwards of £2,300, present rate; well-fitted Pharmacy and excellent Stock; large residence, can be partly sub-let; 21 years' lease; price £1,250; hooks properly kept.

9.—LIVERPOOL (near).—Light Cash Retail Business; returns between £3,500 and £4,000, at good prices; single-fronted shop; modern fittings; amply stocked; held on lease at low rent; further details on application.

10.—CHESHIRE.—General Retail Business, returning £2,000 per annum, at usual prices; small house; satisfactory reason for disposal; price about £1,000; hankers' reference required.

11.—SOUTH DEVON.—Estahlished Business; excellent position; sea view; returns between £2,000 and £2,500 yearly; *net profit* 25%; well-appointed shop, fully stocked; price £1,800.

12.—FOR DISPOSAL.—Wholesale Business, estahlished upwards of a century; a number of Proprietaries are included, which are stocked hy most Chemists in the kingdom, returns hetween £4,000 and £5,000; terms, stock and plant at valuation, and sum for goodwill to he agreed equitably.

13.—SOUTH COAST.—Cash Retail Business, including postal trade; gross receipts ahout £12,000 per annum, at full prices; further particulars on application.

14.—HOME COUNTY.—Retail and Dispensing Business, with opening for Photographic; tho shop is situate in the main street of a town which will largely develop within the next year or two; returns average over £3,300 yearly, and the *net profit* £865; douhle-fronted shop, with good residence; held on lease; large stock, modern fittings; price £2,500.

VALUATIONS FOR STOCKTAKING.

ssrs. O. & Co. desire to emphasize the necessity of a periodical Statement of Account by which means alone **Profit, value of Business, &c.,** can be determined. Involving as this does the labour of Stocktaking and Valuation, it is often omitted and eventually becomes the cause of confusion and loss.

Messrs. O. & Co are prepared to undertake these essential duties and make **Special Terms** for such services.

ORRIDGE & CO., 56 LUDGATE HILL, LONDON, E.C.

BERDOE & FISH

Valuers & Transfer Agents

35 JEWRY STREET, FENCHURCH STREET, E.C. 3.

Telephone: 1809 Central.

SPECIAL NOTICE to INTENDING VENDORS.

Messrs. Berdoe & Fish having disposed of all Businesses placed in their hands, are now in immediate want of sound businesses in all parts of England, especially London, South Coast, S.W. and Western Counties, Midlands and Home Counties, at prices ranging from £800 to £3,000.

We have cash buyers waiting, and can guarantee quick sales with the utmost privacy.

Private register kept. *Terms sent on application.*

Established 1870.

The Association of Manufacturing Chemists

— LIMITED —

Head Offices—26/28 Kimberley House, Holborn Viaduct, London, E.C.1

(and at 2 Bixteth Street, Liverpool).

PARKIN S. BOOTH, *Accountant & Valuer.*

PHONE: CITY 6942.

Well known Proprietary Article for Sale.
Fullest Particulars on Application.

WE HAVE THE FOLLOWING BUSINESSES FOR DISPOSAL.

1.—MIDDLESEX.—Pleasant London suburb; good-class Retail and Dispensing Business, held on good lease at rental of £75 per annum; cash takings about £60 per week; old-established; large house attached; no Photo or Optics, but excellent scope for same; nicely fitted and well stocked.

2.—NORTH-WEST SEASIDE TOWN.—An exceptionally good Business, in prominent position of large town; returns £4,500 per annum; handsome shop, and large house attached; also Wholesale Photographic connection; price about £5,500, which includes 990 years' leasehold property; profits estimated at about £1,300 per annum, and stock valued at £1,800-£2,000; sleeping or active partner entertained.

3.—Small Factory Premises required in E. London district; forward fullest particulars.

4.—Wholesale Business, dealing chiefly in Toilet Specialities; established four years; excellent connections; good turnover; factory 3,000 square feet, with house adjoining; held on lease of 21 years; fullest investigation invited; balance sheets can be inspected; fullest particulars on application.

5.—Small Manufacturing Toilet Business, in pleasant Surrey town; excellent factory; held on very low rental; scope for great improvement; inspection invited.

Stocktaking and Valuations for all purposes undertaken upon Reasonable Terms.

PARSON C. BAKER, Ph.C., M.P.S.
W. ROOKE ROBERTS, M.P.S., F.S.M.C.

174 VICTORIA STREET, S.W. 1. Tel.: VICTORIA 27.

Valuers for Transfer, Income Tax, Probate.

Recommended by the British Drug Houses, Messrs. Meggeson, Ltd., Messrs. Barclay & Sons, Ltd., etc.

Strict personal attention is given throughout to all stocktaking. Write early for special terms.

BRETT & CO

All Valuations have the personal attention of F. J. Brett, M.P.S

Transfer Agents & Valuers,

73 LAUREL ROAD, LEICESTER.

Telephone: 1934

We are now booking Stocktakings f Christmas and the New Year.

BUSINESSES WANTE

CHARLES C. MARSDEN

Valuer, Transfer Agent & Stocktaker,

44 Sholebroke View, Chapeltown Road, Leeds.

Special Terms for Stocktaking and Pricing of Chemists' own Stock Sheets.

All Valuations have the personal attention of C. C. Marsden.

ERNEST J. GEORGE

can value your stock and put your account-keeping upon a very simple but effective basis, obviating all Income Tax Return worry.

Write at once!!!

BOOKING NOW FOR DECEMBER & 1922.

138 Lichfield Street - - Walsall.

We desire particularly to draw the attention of Colonial Foreign Subscribers to the fact that in cases where require partners, agents or assistants, or wish to sell t businesses, an Advertisement in this Supplement, place every copy of "The Chemist and Druggist," should be readiest means of helping them to attain their object. tariff for such announcements is given under the appropr headings in the Supplement. Instructions and remittan can be sent to us direct or through the advertis correspondents in this country.

TENDERS.

LANCASHIRE COUNTY COUNCIL.

TENDERS FOR DRUGS AND DRESSINGS.

nders are invited for the supply of Drugs and Dressings to nty Tuberculosis Dispensaries, Sanatoria and Pulmonary Hos- ls during 1922. Form of Tender can be obtained from the ral Tuberculosis Officer, County Offices, Preston.

HARCOURT E. CLARE,
Clerk of the County Council.

unty Offices,
Preston.

COUNTY BOROUGH OF SALFORD.

ENDERS are invited, by 10 a.m., Monday, 12th December, 1921, for the supply of Drugs, Anti-Sera, and Medical and giosl Appliances. Forms of tender may be obtained from the ical Superintendent, Ladywell Sanatorium, Eccles New Road, ord.

L. C. EVANS, Town Clerk.

SEVERALLS MENTAL HOSPITAL, COLCHESTER.

HE Committee of Visitors invite Tenders for the Supply of Drugs, for the three months ending 31st March, 1922.
r Forms of Tender apply, enclosing stamped addressed enve- to Mr. R. Overend, Clerk of the Hospital, Severalls Mental pital, Colchester.
aled Tenders must be received not later than Saturday, December, 1921.
e Committee do not bind themselves to accept the lowest ny Tender.

By Order,
H. H. GEPP,
Clerk to the Visitors.

AGENCIES.

for 50 words or less; 6d. for every additional 10 words or less, prepaid.

OTLAND.—Agent, representing first-class London manufac- turers, wishes side-line; proprietary preferred; excellent ection, Wholesale and Retail, Chemists, high-class Hair- ers, and Stores; first-class references. Apply 29/6, Office of Paper.

COLONIAL Agents (other than New Zealand) wanted to sell Pills, Tablets, and Packed Specialities, on commission, for an old-established London house. Only live men, with sound connections, need apply, giving details, to "Exploit" (16/100), Office of this Paper.

OGRESSIVE Manufacturing Firm, with a complete Sales organisation, require an additional line for a staff of high- e Representatives to carry; could also act as Distributors if ssry. P.C.B. 70/6, Office of this Paper.

BUSINESSES FOR DISPOSAL.

for 50 words or less; 6d. for every additional 10 words or less, prepaid.

Advertiser may, if referred, have replies addressed to this ice, and forwarded on payment of an additional charge of 1/-.

EMIST.—Old-established Business for Sale; owner retiring; Shop and house, in the very best trading position; genuine, l going concern. Full particulars of Roper, Son & Chapman, oneers, Hounslow.

R Sale, Chemist's Business, in country suburb 7 miles from Manchester; proprietor deceased; good opening to be had noderate purchase price. For full particulars apply Exors. te T. Goodman, Chemist, Stockport Road, Timperley, near hester.

ESTERN suburb, main thoroughfare; Optician's Business for disposal; excellent position and convenient for Drug s; premises could be let on lease or would sell. Call Messrs. mell & Co., 4 High Street, Acton. 'Phone: Chiswick 1393.

00.—LONDON, W.—Drug Stores for Disposal in main thoroughfare; good-class neighbourhood; unlimited ; expenses low; no multiples near; magnificent opportunity nvert to Pharmacy; position worth the price; good reason ale. Apply P.C.B. 69/33, Office of this Paper.

BUSINESSES WANTED.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BRISTOL or District.—Sound Business wanted in industrial centre; capable of extension; cash available. Full details, in confidence, to "Pharmos" (8/32), Office of this Paper.

BUSINESS wanted, returning about £2,000; busy neighbourhood; or would entertain Managership with view to early succession; cash available. Full particulars (in confidence) to Thomas, 45 West Side, Clapham Common, S.W. 12.

PHARMACIST, who recently sold his business, is desirous of purchasing, or taking up a partnership in (with or without view to ultimate control), a good-class Chemist's business in Bournemouth or near neighbourhood; capital immediately available. Reply "Statim" (15/5), Office of this Paper.

PHARMACIST, who recently sold his business, is desirous of purchasing a genuine, small, good-class Retail Business in London, Home or Western Counties; must have good house accommodation. Send full particulars, with price, which will be treated in confidence, to "Chemist," 21 Fordhook Avenue, Ealing Common, W. 5.

PHARMACIST wishes to purchase, for cash, good-class, bona-fide Business; returning £2,000 to £3,000 yearly; South Coast or country; good house accommodation; replies in strict confidence; or would entertain sound Partnership; Wholesale or Retail. "Statim" (32/14), Office of this Paper.

SMALL neglected Business, with scope for increase; town or country; with or without house accommodation; empty shop, where there is good opening for Chemist, considered. "Statim" (33/33), Office of this Paper.

WANTED to purchase, a Proprietary Article with some established reputation; advertiser, with suitable premises in the centre of London, seeks Agencies for reliable products, and will assist sale of same. Full particulars, 33/23, Office of this Paper.

PARTNERSHIPS.

CHEMIST, young and energetic, desires Partnership in sound, progressive, good-class Retail Business, with probable view to succession, but not essential; North Midlands or Midlands preferred. Send full particulars to "F. J.," 8 Harrogate Street, Netherfield, Notts.

ENERGETIC Pharmacist (40), experienced in all branches, is open to negotiate for active Partnership or Managing Directorship; owns a flourishing business, but desirous of handling much larger one; minimum income £1,000; can invest substantial amount and furnish convincing credentials; large country town preferred. Replies, in strict confidence, "Partner" (32/21), Office of this Paper.

GENTLEMAN (40) wishes to meet Chemist, with view to purchase together Chemist or Drug Store Business; exchange of references. Apply P.C.B. 70/4, Office of this Paper.

TO LET.

TO CHEMISTS.—Kingsway; 15 years' lease for Sale of Shop and Basement in this high-class thoroughfare; price £1,000, to include fixtures and fittings; rent only £400 per annum. Apply Weatherall & Green, 22 Chancery Lane, W.C. 2.

AMALGAMATION.

DRUGGISTS' SUNDRIES.—A London firm, doing business with Retail Chemists in Surgical Dressings and Druggists' Sundries, wishes to amalgamate with another similar London house. Further particulars apply to 13/53, Office of this Paper.

APPRENTICESHIPS.

A VACANCY occurs in the establishment of W. E. Plant (Exors.), Pharmaceutical Chemist, 28 High Street, Doncaster, for an Apprentice. Applicants, who should have had a sound secondary education, are invited to apply by letter to the Manager, 28 High Street.

APPRENTICE wanted; smart, well educated; residing in the South-East district. Apply Davies, Chemist, 374 Brockley Road, S.E. 4.

FOR SALE.

6s. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

CHEMIST'S Stock for Sale, consisting of Drugs, Patents and Proprietaries, Shop Rounds, Chemical Apparatus, etc. Apply Ethel Harvey Davis, 21 Daws Lane, Mill Hill, N.W. 7.

DRUGS FOR SALE.—Sodium Salicylate (Bayer), 1 cwt.; Zinc Sulphate, 2 cwt.; Physostigmine Salicylate, 1½ oz.; Homatropine Hydrobrom., 2 oz. Apply 42/63, Office of this Paper.

ONE Cast-iron Tank, 5′ × 3′ × 3′ by ¾″ thick, cast in one piece, with bolted on cast-iron cover. Joyce, White Hart Lane, Tottenham.

SHOP FITTINGS.—Chemist's fixture, 27 ft. run, 9ft. high, in sections, fitted 106 drawers, cupboards, lockers, shelving 268; 20, 30 and 40 oz. bottles, 16 ft. glass front door; Counter, Drawers, Showcases; must be cleared quick. Jacobsons, 91 Old Street, E.C. 1.

SITUATIONS OPEN.

RETAIL.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-.

BEACONSFIELD.—Wanted (at once), a gentlemanly Junior, about 20 years of age, for a Dispensing business; outdoors; preference given to one who has served a regular apprenticeship in a good-class Pharmacy. State height and send full particulars, with photo, to Mr. R. W. Brooke, Chemist, Beaconsfield.

CHESTER-LE-STREET.—Young qualified Manager required, abstainer preferred, for Bartley, Co. Durham; General Retail, Photographic, N.H.I., Window-dresser; good prospects to keen, energetic man. References, salary, and other particulars to Penrith, Chemist, Chester-le-Street, Co. Durham.

ESSEX.—Qualified, good all-round, energetic man, for Counter and Dispensing; state age and salary. Apply 33/28, Office of this Paper.

HUDDERSFIELD INDUSTRIAL SOCIETY, LIMITED, require a Branch Manager; qualified; state age, experience, salary required. Apply, by letter, endorsed "Chemist," Huddersfield Industrial Society, Buxton Road, Huddersfield.

ISLE OF MAN.—At once, qualified, reliable man, with good experience, for first-class Dispensing and Counter work. Apply, stating age and wages required (living out), Laughlin, Ramsey, Isle of Man.

ISLE OF WIGHT.—Experienced, gentlemanly Assistant, able to take charge; qualified or otherwise; Counter and Dispensing; state age, experience, and wages required; not answered in three days declined with thanks. Apply 29/21, Office of this Paper.

LONDON.—Qualified Assistant, of good experience, speaking French, wanted early December or at once. Apply, giving full particulars, experience, age, and height, to "S. R. O.," Wilcox, Jozeau & Co., 49 Haymarket, S.W.

LONDON, S.W.—Messrs. Amoore & Co. require a smart male Assistant, accustomed to good-class Dispensing. Apply, with full particulars, to A. H. Brooks, 173 Sloane Street, S.W.

LONDON, W. 2.—Junior Assistant, unqualified (male), required for Dispensing and Stock; able to take Counter when necessary; must be accustomed to good-class Pharmacy. Apply, stating full particulars, age, height, experience, and salary required (outdoors), to H. F. Stapley (Moore & Co.), 45 Craven Road, Lancaster Gate, W. 2.

MANCHESTER DISTRICT.—Young Lady required for Retail Pharmacy and Office work; must be good Dispenser and have had Counter experience. Apply, giving fullest particulars, T. & W. Woodruff, Chemists, Cheadle, Cheshire.

SHEFFIELD.—Wanted, January 2nd, fully-qualified Dispenser, to take charge of Dispensing Department; age 30-40; must have had first-class experience in similar position; must be conversant with Doctors latest requirements in Medicine; a good organiser and energetic; highest references essential. Apply, stating experience, salary, height, and when at liberty, enclosing photo, to Mr. Austen, c/o G. T. Newsholme, Ltd., 27 High Street, Sheffield.

SOUTH COAST TOWN.—Required (after Christmas), competent Assistant for good-class Retail and Photographic; must be a worker, practical Photographer, good Counterman and Window dresser; first-class references required. Reply, stating usual particulars and salary required, 33/2, Office of this Paper.

TUNBRIDGE WELLS.—Junior Assistant (male), must be efficient Dispenser, good Counterman, for good-class business; experienced. Please state age, experience, salary, etc., Godkin, Chemist, 1 High Street, Tunbridge Wells.

A VACANCY will shortly occur in a Private Limited Company for a capable Manager for one of the branches; applicant must be a keen business man, accustomed to highest class business; capital can be invested in the firm if desired, providing the applicant meets the requirements; good prospects for the right man. Reply to "Director" (33/13), Office of this Paper.

DOCTOR requires Dispenser for large practice situated a few miles from Manchester. Apply, giving full particulars, 32/25, Office of this Paper.

JUNIOR required to assist at Despatch Counter; must be experienced; preference given to one used to Surgeons' trade; state age, wage, usual particulars. W. A. Wharram, Ltd., Wholesale Chemists, 34 Lady Lane, Leeds.

MANAGER, qualified, young, and energetic, for neglected country business in Norfolk; must have a good general knowledge of ordinary Retail business, also Agricultural, Optical and Photographic; no living accommodation over shop. Reply, giving full details of past experience, age, height, photo if possible, married or single, when disengaged, and salary required, 28/40, Office of this Paper.

PARKE'S Drug Stores, Limited, require the services of a qualified Manager; applicant must be energetic and reliable, and have sound business experience and knowledge of Photography; highest references required. Apply any morning (except Saturday), between 10 and 12 o'clock, to 65 Harmood Street, Camden Town, N.W.

REQUIRED for London, West, Junior or Improver, male, with some knowledge of Dispensing; state age, experience, and salary expected (outdoors). Apply, by letter only (enclose 1d. stamp), to "Chemist," 23 Wellington Road, South Ealing, W.

WANTED, qualified Manager for old-established business; must have matured experience Prescribing and some knowledge of Homœopathy. Write, stating full particulars of experience, age and salary required, to 21/33L, Office of this Paper.

WHOLESALE.

6s. for 40 words or less; 6d. for every additional 10 words or less, prepaid.

MIDLANDS.—Patent Medicines and Druggists' Sundries; smart Assistant, accustomed to handling these goods; must be neat, methodical, and good stockkeeper; applicants should state age, experience, and salary required. Apply 29/12, Office of this Paper.

LONDON Merchants require services several country Travellers to carry Castor and Olive Oils and Soaps on a commission basis as side-line, for sale in minimum case lots. Apply 2/42, Office of this Paper.

A. BOURJOIS & CIE, LIMITED, 66 Carter Lane, London, E.C., and Paris, are requiring two Travellers, one for London and one for country; must have a good acquaintance with French Perfumery. Apply, by letter only, as above.

CAPABLE man wanted for Chemical trade; practical experience of manufacture Synthetic Aldehydes essential. Apply, by letter, giving experience and wages required, 29/9, Office of this Paper.

IRISH REPRESENTATION.

Applications are requested from gentlemen resident in Ireland desirous of representing a first-class house of makers of Pharmacy Specialties. Give all particulars in first letter, the firm you are now representing, and for how long, also list of places visited. Apply W. B. Cartwright, Ltd., Manufacturing Chemists, Rawdon, near Leeds.

PROGRESSIVE Manufacturing Firm, extending operations, require Representatives for the following territories, for January 1st: (1) Midlands, (2) Lancashire and Yorkshire, (3) West Country and South Wales, (4) Scotland; capable Salesmen, with Pharmaceutical experience. 70/60, Office of this Paper.

ONDON Export firm of Dealers in Druggists' Sundries and Surgical Instruments require (immediately) a responsible sistant, with a thorough general knowledge of the trade; appli tions only considered from those fully qualified by previous actical experience in the buying, selling, and handling of all asses of goods, such as Druggists' Sundries, Surgical Instru ents, Surgical Dressings, Patent Medicines, etc.; a permanent uation, with good opening for advancement, is assured to a an possessing the desired qualifications. Apply, giving full rticulars of previous situations and experience, and state salary quired, to 7/340, Office of this Paper.

REPRESENTATIVE, with live connection among Chemists in South Wales and West of England, wanted by well-known and old-established firm, manufacturing Pills and Tablets; commission basis; part time not objected to; applications, giving full particulars, stating ground covered, will be treated in strict confidence. Replies, "Expansion" (16/101), Office of this Paper.

EPRESENTATIVE wanted for London and country, with thorough experience in Synthetic Perfumes and Essential s, and knowledge of French language. Write, with full ticulars as to experience and salary required, N., c/o Abbotts, stcheap, London, E.C. 3.

EPRESENTATIVE, with good connection amongst Chemists and Medical Men and Institutions in outer suburbs, required London Wholesale Druggists. Full particulars as to previous erience and remuneration looked for to 7/34D, Office of this per.

EPRESENTATIVES, with strong connections, required by well-known Perfume and Toilet Soap Manufacturers, on a ral commission basis, with drawing account; non-competing s not objected to; exclusive territory, and permanency to esmen of ability; following counties vacant: London, York e, Norfolk, Suffolk, Essex, Hertfordshire, Bedfordshire, tingdonshire and Cambridgeshire, and Kent, Surrey, and sex; applicants must state, in strict confidence, experience present occupation. "A/Z" (45/52), Office of this Paper.

LENDID side-line for energetic man already calling on Chemists; good commission; must have connection. Address ," 32, Birchall's Advertising Offices, Liverpool.

ERRITORY vacant in Southern and Midland Counties for Agents with live Sales Records and able to handle extra amongst Chemists, Druggists, and Stores; well-known pro tary article; sole representation; liberal commission. Apply, full particulars, to "Modernism" (37/30T), Office of this er.

THE Chesebrough Manufacturing Company, of 42 Holborn Viaduct, London, E.C. 1, will be pleased to entertain applications for the position of Representative, from January 1st, in Lancashire, Yorkshire and district; must be young, experienced, and well acquainted with territory. Applications, by post only, addressed to "S" Department.

AVELLERS wanted, calling on Chemists in all parts of the U.K., who can profitably handle, on liberal commission, dvertised line of Toilet specialities. Full particulars as to ict covered to 11/19F, Office of this Paper.

OUNG lady, unqualified, for Counter (Sundries and Packed Goods), putting up stock, etc; state age, experience, and y required. W. S. Potter & Co., Chemists, High Street, stow, E.

SITUATIONS OPEN.

(Colonial, Indian and Foreign.)

MORITZ (SWITZERLAND).—Qualified English Chemist required for about December 15 to March 1; extra language Continental experience an advantage; salary 500 francs per 1; travelling allowance 250 francs. Full particulars, in letter, to International Pharmacy.

UTH AFRICA.—Wanted, qualified Manufacturing Chemists' Assistant, with technical experience and good Pharmaeal and Chemical knowledge; a post of responsibility where ollowing machinery is used: Modern Tablet and Pill, Vacuum Disintegrators, Steam Evaporating Plant, Emulsion and nent, etc.; preferably with wholesale manufacturing exnce and understanding the improving of Galenicals and rating formulæ for packed and toilet goods; good opporty for a "reading" man who keeps up-to-date. Apply, in ng, with photo, stating age, qualifications, record, and y required, "R.," o/o Streets, 30 Cornhill, London, E.C. 3.

SITUATIONS WANTED.

[HOME.]

RETAIL.

2s. for 18 words or less; 6d. for every additional 10 words or less, prepaid.

The Advertiser may, if preferred, have replies addressed to this Office, and forwarded on payment of an additional charge of 1/-

A.A.—ADVERTISER, Scotsman; 34; unqualified; thoroughly experienced; used to brisk Retail; excellent references; now free. Sandy, 12 Clapham Park Road, S.W.

A.A.—QUALIFIED, 24, tall, requires position, Manager or Assistant; sound experience and references; disengaged. "Pharmacist," 21 Orchard Street, Bury St. Edmunds.

A CAPABLE Manager, Assistant; London, provincial experience; good references; living wage; locum, permanency. Chemist, 6 Eastbourne Terrace, London, W.

A JUNIOR (unqualified); good all-round experience Photography, Window-dressing, etc.; good references; South-Eastern Counties preferred, not essential. Apply 33/12, Office of this Paper.

A PHARMACIST (29) requires position; experience includes a five years' apprenticeship previous to the war and London experience since; excellent references. "Ortho," 13 Hugh Road, Small Heath, Birmingham.

A PHARMACIST (elderly); small salary; highest references; experience; married, no family. "Chemist," 25 Wolverton Road, Stony Stratford, Bucks.

A QUALIFIED Lady, experienced, good references, desires locum or permanency. "M.P.S.," 9 Wilton Road, Chorlton-cum-Hardy, Manchester.

A QUALIFIED Chemist, Scotch, active and willing, age 29, excellent training and experience, seeks permanency as Assistant or Manager; moderate salary. Apply 29/23, Office of this Paper.

A QUALIFIED Assistant; 25; high- and middle-class experience; Counter; neat and accurate Dispenser; Photographics; moderate salary where some prospects; good references. G., 8 Hythe Bridge Street, Oxford.

A QUALIFIED Chemist, with good experience and references, desires berth as Manager or Assistant. S. P. Wright, 651 Liverpool Road, Platt Bridge, Wigan.

A QUALIFIED Pharmacist desires position as Manager; excellent references; moderate salary; single; London or suburbs; disengaged. "Alpha," 98 Greyhound Lane, Streatham Common, S.W.

A THOROUGHLY competent Pharmacist disengaged; excellent references; Manager Assistant, or Locum; reasonable salary. 4 Ormond Terrace, Cheltenham.

AFTER Christmas, Managing or Senior Assistant; 40, tall, single; well up in all branches, including London experience; thoroughly recommended; permanency. "Genaspirin," c/o H. J. Parsons, Pharmacist, Ilminster, Somerset.

APPRENTICE.—Youth, age 16, passed Prelim., seeks position as Apprentice to Pharmaceutical Chemist in London. Write to H. Lapsker, 118 Redman's Road, Stepney, E. 1.

ARE you seeking a really trustworthy Manager or Assistant who knows his job; qualified; 32; married; wide experience in all branches of the trade; exceptional references; ex-Service; interview welcomed. "Nigroid," Elmhyrst, East Street, Farnham.

AS additional Assistant until Christmas for Dispensing or front Counter; 34; qualified. Apply "A. V. K.," 31 Goldsmith Avenue, W. 3.

AS Dispenser, Counter, or part time; qualified; married; age 46; good experience. "Cascara," 118 Iffley Road, Hammersmith.

AS Assistant Dispenser; age 27; married; three years' experience as Assistant Dispenser and Dresser. M.L. 75259, Office of this Paper.

ASSISTANT, with Dental experience; own appliances; salary and commission. Apply 69/321, Office of this Paper.

ASSISTANT or Manager; 33; unqualified; 18 years' good all-round Dispensing, Photographic, and Counter experience; Agricultural; reliable, abstainer; disengaged. H. Shaw, 85 Himley Road, Dudley.

ASSISTANT; unqualified; first-class Dispensing and general experience; best references; 35; town or country. "Energetic," 28 Melrose Avenue, Cricklewood.

ASSISTANT; Counter, Windows, Stock, light Dispensing, or manage Drug Stores; moderate salary; excellent experience. Apply "M." (23/12), Office of this Paper.

ASSISTANT or Senior; unqualified; 15 years' West-End and provincial experience; disengaged now. Allman, 39 Culmington Road, Ealing, W.

ASSISTANT; 29; all-round experience; at liberty; moderate salary. Long, c/o Nutt, Peterborough.

ASSISTANT, unqualified; 29; good experience Counter and Dispensing; London or suburbs preferred. C/o Chemist, 26 Lisle Street, W.C. 2.

ASSISTANT, qualified (25) desires permanency; good Dispensing and Retail experience; good references; moderate salary. Bowie, "Bracohill," Keith, Banffshire.

ASSISTANT; Analytical Pharmacy or Hospital; 22; married; London College of Pharmacy; six years' experience as Apprentice and Assistant. Apply M.L. 24880, Office of this Paper.

ASSISTANT; unqualified; all-round experience; single. Jones, 31 Wyndham Street, Bryanston Square, Marylebone, W. 1.

BRANCH Manager, qualified, reliable; temporary work entertained. W. Howell, Ph.C., 5 Woodhouse Grove, Manor Park, E. 12.

CAPABLE, unqualified, pre-war Assistant; College trained; over ten years of London as well as provincial experience; trustworthy. Apply 25/31, Office of this Paper.

CHEMIST'S Assistant; 42; 15 months' war service, 13 years' experience in trade. Apply M.L. 8656/21, Office of this Paper.

DISENGAGED; Manager or Senior; 35; wide experience; succession entertained; abstainer; undeniable references. Thomas, 45 West Side, Clapham Common, S.W. 12.

DISPENSER (lady), Hall; thorough experience Hospital, Surgery (Bookkeeping), and Public Dispensary; excellent testimonials; London or near. Apply 32/34, Office of this Paper.

DISPENSER (Doctor's 10 years, Hospital 5 years) desires post, Wholesale or Retail; London preferred; highest references; unqualified. "Summendus" (16/31), Office of this Paper.

DISPENSER; age 26; good experience; X-Ray Operator and Electrician; General, Medical, Hospital, and Chemical experience. Apply M.L. 510619, Office of this Paper.

DOCTOR recommends his late Dispenser; Hall qualification, Bookkeeping, etc.; town or country. Farrow, 65 Mayfair Avenue, Ilford, Essex.

DO you want a good Manager or Assistant? Unqualified; 32; London experience, 16 years, Dispensing, Counter, Window-dressing, Buying; work a pleasure; disengaged. Holdman, 55 Granville Road, Childs Hill.

ENERGETIC young man desires employment in quick cash trade; good West-End Stores experience. Apply 68/300, Office of this Paper.

EVENINGS and Saturdays, whole or part; Pharmacist; 30; tall; experienced; moderate salary. Carter, 20 South Parade, Chelsea, S.W. 3.

JUNIOR, 20, good general experience, passed Part I., desires position in good-class Dispensing business; Manchester district preferred. Apply 25/32, Office of this Paper.

LADY (Hall); 4½ years' Retail and Dispensing experience; age 22; Chemist or Institution. Smith, 37 Ospringe Road, Faversham.

LADY Assistant; six years' busy Store experience, with Dispensing, desires post, preferably West Riding, Yorks; well recommended; at liberty January 1st. Miss Haynes, 67 Beech Street, Paddock, Huddersfield.

LADY (21), three years' experience Counter and Dispensing, Bookkeeping, desires post with Doctor or Chemist; good references; disengaged. Evans, Llys Idris, Llanrug, Carnarvon.

LADY Dispenser, Minor qualification, requires post, Locum or permanency; experienced; disengaged. A. A., The Pharmacy, 18 Margaret Street, Aberoynon, Glam.

LOCUM; disengaged; all-round experience. Apply 69/320, Office of this Paper.

LOCUM or part time; 35; unqualified; wide experience; excellent references; can take charge; abstainer; now disengaged. Scott, 7 Regent Place, Vincent Square, S.W. 1.

LOCUM; London or provinces; highest references; reasonable winter terms. Brown, 74 West Hill, East Putney, London, S.W. 15.

LOCUM, Dispenser, or Assistant; London; long, varied experience; good references; moderate salary. "L.," 7 Roslin Terrace, Roslin Road, Acton.

MANAGER or Assistant; experienced in all branches; succession entertained; East Kent preferred. Apply P.C.B. 69/32, Office of this Paper.

MANAGER; qualified; 45; good all-round London and City experience and references. "Beta," 83 Vant Road, Tooting, S.W. 17.

MANAGER.—Scotsman desires post as Manager, permanenc or Senior, with view succession; 16 years' experienc Agricultural, City, Photographic, Surgical; small capital ava able; excellent character and references. Apply 25/35, Office this Paper.

MANAGER, Assistant, or Locum; qualified; references (lor duration) good; terms moderate; cover for company; di engaged; interview; registered Dentist; cash for investmen varied experience. Brewerton, 7 Oxford Street, Liverpool.

MANAGER or Assistant; 38; educated Edinburgh Universit thoroughly experienced; conversant with medical professio Apply M.L. 97404, Office of this Paper.

MANAGER, qualified, Minor; steady and reliable; 45; marrie experienced general routine, Optics, Photography; dise gaged; reasonable salary. Stone, 37 Melgund Road, N. 5.

NORFOLK.—Junior Assistant, unqualified, excellent Retail a Dispensing experience, requires post soon. Apply, stati salary, "Pharmacy," R. Bellchambers, Swaffham

PART-TIME mornings; qualified, middle-aged, active; ref ences; S.E. district or City. March, 26 Undercliff Roa Lewisham, S.E.

PART TIME; qualified; London or suburbs; disengaged. 98 Greyhound Lane, Streatham Common, S.W.

PHARMACIST, young, energetic, having disposed of his bu ness, seeks position as Manager, preferably with view su cession; South London or country town (if possible); undeniab references as to character and business capabilities. App "Bona-fide" (29/10), Office of this Paper.

PHARMACIST, married, with first-class Managing experien and highest references, desires similar position; keen Buye good Prescriber and Salesman; highest references; interview pr ferred. Apply "H." (33/16), Office of this Paper.

QUALIFIED; 50; energetic and capable; last situation 8 yea as Branch Manager; disposal of business cause of leavin first-class references; disengaged. "Chemist," 22 Sherwo Street, Fallowfield, Manchester.

QUALIFIED Assistant (27); tall; good all-round experienc excellent references. "Disengaged," 27 Knight Stree Netherfield, Notts.

QUALIFIED, 27, 6 ft., as Manager or Assistant; 10 year experience; resident in London; excellent references; inte view. Apply 21/5, Office of this Paper.

QUALIFIED; 22; gentlemanly; capable, reliable; Photography as Assistant or Branch Manager. Holden, Rathgar, O Bedford Road, Luton.

QUALIFIED (48); permanency, temporary, or Locum thoroughly experienced; tact, initiative, and energetic; di engaged. W. Owen, 5 Rutland Street, Colne, Lancs.

QUALIFIED Assistant (25); good all-round experience; exce lent references. Keen, c/o Mr. J. H. Bibbings, Chemis Newton Abbot.

QUALIFIED Chemist (Minor), not young, but able, desires po as Manager; good provincial experience, also London subu ban references; good Dispensing experience; good Salesman; al N.H.I. Dispensing; country preferred, or suburbs; at liberty a few days. P. S., 127 Capel Road, Forest Gate, E. 7.

QUALIFIED, 23, seeks position, preferably as Branch Manag or Dispenser; splendid all-round experience, including Phot graphy. Robertshaw, c/o Mr. G. B. Wright, Rexall Pharmac Hebden Bridge, Yorks.

QUALIFIED Chemist-Locum (short dates) or Manager; exper enced all branches; London or South; Registered Dentis disengaged. Apply 32/30, Office of this Paper.

QUALIFIED; good Dispensing experience; Hospital or Instit tion preferred. T. J. F., 67 Kingsland Crescent, Bar Dock.

QUALIFIED; 49; any position; best references; immediat "Chemist," 23 Wellclose Mount, Leeds.

SMART, up-to-date Assistant requires a good permanent situ tion; thoroughly conversant with all the departments of t Retail; age 36; excellent references. "Trustworthy" (25/19 Office of this Paper.

SMART Pharmacist, 16 years' experience as Manager, r quires permanency or locum; town or country; good Di penser and Prescriber; modern business methods; married; di engaged. "O. C. H.," 26 Fox Hill, S.E. 19.

SUBURBAN or S.W. London; berth desired; qualified (24 six years' experience in Stores, Photographic, and Wes End Pharmacies; excellent references. "Chemist," 45 Tasma Road, Stockwell, S.W.

TEMPORARY or Locum; qualified; varied experience; tow only. Spooner, 51 New Cut, Lambeth, S.E. 1.

UNQUALIFIED; 35; disengaged; 20 years' experience; Londo or provinces. Nelson, 35 Woodstock Road, Finsbury Par N. 4.

QUALIFIED; good all-ronnd experience Retail, Wholesale, Agricultural; 5½ years last situation; abstainer; permanency. 51 Castle Street, Kendal.

QUALIFIED; 33; married; 19 years' all-round experience Retail and Photographic; excellent references; disengaged. 3, 105 Oxford Road, Reading.

UNG lady, 20, reqnires berth as Cashier and Counter Help; 4 years' experience; disengaged. Apply 32/32, Office of Paper

—QUALIFIED, any capacity; many years' experience; used to management; trustworthy; long, undeniable refer-; town or country. "Worker" (32 15), Office of this Paper.

WHOLESALE.

CEPTIONAL opportunity occnrs for an established firm to secure services of a gentleman with excellent credentials, to sent, who has wide experience with Doctors, Chemists (Whole- and Retail), Hospitals, Clinics, and in administrative detail medical propaganda organisation; able to design and dress al futuristic window displays; good gronnd covered and ction; age 32; for resident London, Home Counties, or d; experience of the East. "B.," 29a Talgarth Road, West ngton, W. 14.

SERVICE.—Chemist; 22; good theoretical knowledge of Chemistry; 1 year's practical experience in Chemical Fac-; educated secondary school and University of Wales. 7238/21, Office of this Paper.

NTLEMAN, now disengaged, with good all-ronnd experience n West-End Retail Stores, desires engagement as Repre-ive; good address and pushing salesmanship. Apply 68/30, Office of this Paper.

ORATORY.—Experienced man, aged 35, wants position with good firm; well np in the manufacture of Tinctnres, Oint-, Creams, Brilliantine, and a large range of Galenicals; o supervision of labour. J. Mnrphy, 34 Park Court, London, .

NUFACTURING Chemist, with wide experience of Works and Laboratory Management with well-known firms in Eng- and America, seeks appointment as Works Manager; adver- has expert knowledge of modern factory methods, and has accustomed to the control of very important manufacturing ries. "C. R." (33/29), Office of this Paper.

NUFACTURING Chemist, 24, ednoated Hartley University, luent Spanish, good knowledge Chemistry, manufacturing harmacentical, bnying experience, wishes to go abroad; or Spanish-speaking oountries. Apply M.L. 13256, Offioe Paper.

FUMERY.—Lady, qnalified, experienced Perfume and Toilet equisite manufacture, desires post in laboratory of Per- firm; good references. Apply 29/18, Office of this Paper.

RESENTATIVE, Pharmaceutical trained, with connections n Midlands, requires position with good Drug or Snndries Write "Sincerus" (25/18), Office of this Paper.

RESENTATIVE of leading Drng, etc., honse, shortly disen-aged, wishes re-engagement to represent good honse; several live connection over large area with Chemists, etc.; quali-hemist; excellent knowledge Drug and Allied trades and nship; undeniable references. Apply 32/22, Office of this

SMAN, Manager, or Buyer in the Chemical trade; 37; ngle; 15 years' experience as Junior to Departmental er, 1 year as Buyer and Salesman to Chemical Merchants, years' experience as Manager of Chemical Department for l Merchants. M.L. 2915/21, Office of this Paper.

S Manager; 38; married; educated Royal Technical Col-ge, Glasgow; French, German (fairly fluent), and some n; expert knowledge of pure Chemicals and Pharmaceuticals, Essential Oils and Flavouring Essences; experienced in trative control of travelling staff and sales organisation e lines. Apply M.L. 13550, Office of this Paper.

INICAL Clerk (37) desires position of trust; methodical. ccurate, industrious; knows General Routine, A to Z, in- Shipping; 15 years' good Commercial experience; nine ast position; highest references; distance no object. Write y," 18 Westbury Road, Wembley.

holesale and Mannfacturing Chemists.—Advertiser, age 28, n years' experience in the Retail as Manager, and on desires to enter the Wholesale in the New Year as Repre-e; advertiser desires to represent a well-known firm, and ng to accept small salary and commission to commence. esentative," 27 Loxford Avenne, East Ham, London, E. 6.

RKS Manager; 31; married; six years as Chief Clerk to erchants, and 1½ years Departmental Manager, Chemical nts; knowledge of commercial Bnying and Selling, Type- and Bookkeeping. M.L. 93449, Office of this Paper.

MISCELLANEOUS.

10s. for 60 words; 1s. for every additional 10 words or less.

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